

THE FIELD MUSEUM
2003 ANNUAL REPORT TO THE
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ACADEMIC AFFAIRS

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ACADEMIC AFFAIRS – 2003 ANNUAL REPORT

2003 was a year of remarkable achievement and innovation in the science labs and research collections of The Field Museum. Despite shrinking budgets and the need to keep several positions unfilled, research productivity increased, grant-raising flourished, the collections thrived, curation efforts advanced, and our scientists made manifold contributions in education and service. The detailed compendium that follows provides information on all facets of activity in Academic Affairs during the past year. The present introduction aims to single out a few initiatives of special note, and to highlight the work of a few individuals by way of example.

Curatorial faculty

There were several developments of note among the curatorial faculty in 2003. Following searches conducted in 2002, the Department of Botany welcomed two new curators to its ranks during the year. In January **Thorsten Lumbsch** joined the staff as Assistant Curator of Mycology/ Lichenized Fungi. Thorsten has a PhD from the University of Essen, and served as an Assistant Professor there before joining the Field. His research focuses on the phylogenetic relationships among lichens and their diversity and biogeography. He has an active field program in the Southern Hemisphere (southern South America, Antarctica, and Australia) and will be busy in the Pritzker Lab. His research group includes a postdoc and two graduate students, all supported by his existing research grants from Germany and Australia. In combination with **Robert Lücking**, Collections Manager, Mycology, The Field Museum now has the largest (and arguably strongest) lichenology program in the U.S. In August, **Rick Ree** joined Botany as Assistant Curator of Flowering Plants. Rick received his PhD at Harvard and went on to a postdoctoral position at University of California – Davis, working on methods to create supertrees. He came to The Field Museum following the completion of postdoctoral research at University of British Columbia, investigating the molecular evolution of developmental genes in *Lupinus* (lupin). Rick's research field is plant systematics and bioinformatics. He has particular interests in biogeography and issues surrounding the quantification and characterization of plant diversity patterns in space and time, including the potential for integrating collections data with phylogenetic, GIS, and remote sensing information. His primary field sites have been in China, and he has just received new funding from NSF to continue his collaborative project on the Biodiversity of the Hengduan Mountains region with colleagues at Harvard.

In addition to these two new members of our curatorial faculty, **Anne Underhill** of Anthropology and **Jennifer McElwain** of Geology were promoted to tenure during the year. Anne, the Boone Associate Curator of Asian Anthropology, joined the Museum in July 1999. Since 1995 she has been conducting regional surveys in the Rizhao area of southeastern Shandong province of China, providing new information on change in settlement patterns from the late prehistoric to the early historic periods. From 1999-2001, Anne was the American director of the excavation at the late prehistoric regional center of Liangchengzhen (c. 2600-1900 B.C.)—one of the few Sino-American collaborative excavations ever permitted by the government of China. She has published in several archaeological journals, and her 2002 book *Craft Production and Social Change in Northern China* was hailed by peers as a milestone. In addition to teaching at UIC and Northwestern University, Anne is an energetic contributor to

Museum programs, and an active fundraiser, serving as P.I. on recent grants from the National Science Foundation, the Luce Foundation, and the National Geographic Society. External reviewers termed Anne an “established scholar of international standing,” and a “major, first-class scholar engaged in state-of-the-art research,” to cite only two superlatives. Jenny McElwain was promoted to Associate Curator of Paleobotany in August. Jenny’s research focuses on the use of fossil plant morphological, anatomical and physiological characteristics, to reconstruct atmospheric carbon dioxide (CO₂) concentrations and associated changes in paleotemperatures, on time scales of millions of years, to decades and centuries. She is particularly interested in using fossil floras to investigate the environmental changes associated with a number of other major and minor faunal extinction events in Earth history, in order to ultimately decipher possible causal mechanisms. Her 2002 book *The Evolution of Plants*, written with colleague Katherine Willis of Oxford University, is on its way to becoming the standard textbook on the subject. Within the past year she has conducted fieldwork in Greenland as well as California.

The Department of Zoology bid farewell to Curator **Barry Chernoff** (Zoology/ Fishes) on June 30. Barry, who left us to take a faculty position at Wesleyan University, had been with the Museum since 1987. His studies include the morphological evolution of fishes, and the systematics, biogeography and conservation of fishes of the Orinoco Drainage of Venezuela. He has also spearheaded AquaRAP (the Rapid Assessment Program for Conservation of Aquatic Ecosystems) since its creation. His contributions to Field Museum science efforts are many, not least among them the identification of more than a dozen new species and/ or subfamilies of neotropical fishes, and the growth and enhancement of the Museum’s fish collection in terms of both collection size and facility quality.

As part of the comprehensive system of external peer review that accompanies our curators throughout their careers, the Department of Geology was reviewed by a panel of four internationally recognized experts from October 23 – 26. This was the second in a rolling program of external reviews of individual departments in Academic Affairs. The Geology review panel was comprised of Klaus Keil (Director, Hawaii Institute of Geophysics and Paleontology, University of Hawaii at Manoa), Scott Wing (Curator of Fossil Plants, National Museum of Natural History/ Smithsonian), Derek Briggs (Professor of Geology and Geophysics, Yale University) and Philippe Janvier (Muséum National d’Histoire Naturelle, Paris). Detailed background on the department was provided to the group in advance, and during the visit committee members toured the department, conducted interviews with all members of the curatorial faculty and members of the Professional Staff, and also met with the Provost and Vice President of Academic Affairs and John McCarter, Field Museum President and CEO. The committee’s report includes an evaluation of the department’s research programs, and recommendations for further strengthening it.

Publications

Our scientists were particularly productive on the publication front, with more than 260 individual works (20% more than in 2002). Notable among several books was *Perfect Planet, Clever Species: How Unique Are We?* by Curator Emeritus of Botany **William Burger**—who has clearly remained active in research since his “retirement.” Beginning with the unique features of our sun, and the special qualities of our planet, the book considers both general trends and specific contingencies that have marked Earth’s biological and cultural history. Ernst Mayr, one

of the 20th century's foremost evolutionary biologists, called the book “a splendid history of mankind.” In December the University of Chicago Press released the 1800-page treatise *The Natural History of Madagascar*, edited by Field Biologist **Steve Goodman** (Zoology) and Jonathan P. Benstead of the Marine Biological Laboratory at Woods Hole, Massachusetts. Madagascar is one of the most important and threatened conservation priorities on the planet, and this landmark work provides the most comprehensive, up-to-date synthesis available of this island nation's priceless biological treasures. The book features contributions by nearly three hundred world-renowned experts (notably including 65 Malagasy scientists), covering the history of scientific exploration in Madagascar, its geology and soils, climate, forest ecology, human ecology, marine and coastal ecosystems, plants, invertebrates, fishes, amphibians, reptiles, birds, and mammals.

Fall 2003 saw the publication of *East African Archaeology: Foragers, Potters, Smiths, and Traders*, edited by Associate Curator **Chapurukha Kusimba** and Research Associate **Sibel Kusimba**. The edited collection of essays examines the cultures of East Africa over the last 2,000 years, in an area extending from Mozambique to Ethiopia and from Uganda to Zanzibar. The chapters focus on specific case studies such as early ironworking communities and hunter-gatherer mobility, and highlight current trends in East African archaeology. Curator **Greg Mueller's** *Macrofungi of Costa Rica*, developed for use by students and ecotourists, describes and illustrates some 100 commonly encountered Costa Rican macrofungi. It is estimated that there are between 1,500 and 2,000 macrofungi in Costa Rica, so this book just scratches the surface of fungal diversity there.

Field Museum authors also published some 130 journal articles—including work in *Nature* (for example, **Bob Martin's** commentary on new fossil primates from Egypt), *Science* (notably **Mark Westneat's** article on insect breathing apparatus), and *Archaeology* (**Jonathan Haas's** discovery of a 4,000-year-old Andean deity image)—in addition to several volumes of *Fieldiana* and nearly 70 book chapters, 11 technical reports—including Rapid Biological Inventory and Aquarap reports—as well as dozens of encyclopedia entries, book reviews, and popular articles.

Fieldwork

If “the world is a book,” as Augustine wrote (“and those who do not travel read only a page”), Field Museum scientists studied that book extensively in 2003, collecting, researching, and conducting inventories in more than 35 countries and across the U.S., from Hawaii to Florida to South Dakota. With our scientists working on virtually every continent, and with active field programs and/ or research collaborations in some 90 countries, it is difficult to single out even a few individual projects that merit special attention. However, Madagascar is notable as the site of ongoing cross-disciplinary projects and multi-departmental work, encompassing Anthropology, Geology, and Zoology, as is China, with initiatives involving all six departments of Academic Affairs. In addition to such long-term projects as **Greg Mueller's** fungal work in Costa Rica, **Michael Dillon's** decades-deep interest in the flora of Peru, **John Flynn's** research on fossil mammals in the Chilean Andes, **Chap Kusimba's** archaeology projects in Kenya, and **John Bates's** ornithological studies in the Democratic Republic of Congo, ECP and CCUC have emerging conservation projects in Cuba, our lepidopterist **Paul Goldstein** is launching a field program in Finland and Estonia, and **Thorsten Lumbsch** and his team have brought The Field

Museum to Norway, Romania, Austria and Antarctica (among other spots) in search of little-known lichens.

Grants

2003 was another exceptionally strong year with respect to raising grants. Echoing the remarkable success in 2002 by ECP Director **Debra Moskovits** in securing an award of almost \$11 million from the Gordon and Betty Moore Foundation, Debby and team followed up in 2003 with a \$5.25 million grant from USAID to support economic and environmental opportunities in Parque Nacional Cordillera Azul, Peru. Including that grant, more than \$8 million in research funds were generated by Field Museum scientists in 2003, with \$1.4 million awarded by the National Science Foundation. At this writing, active research grants for which the Museum serves as fiscal agent total \$31.4 million.

Other notable grants awarded in 2003 include:

- \$494,295 from NSF for a proposal by Assistant Curator **Ryan Williams** and colleagues in Anthropology and Geology to equip an elemental analysis facility at The Field Museum (on which more below).
- Botany Curator **Greg Mueller's** \$473,072 award from the Institute of Museum and Library Services for "vPlants Plus: Enhancing the Chicago region virtual herbarium," (in collaboration with colleagues from the Morton Arboretum and the Chicago Botanic Gardens).
- An NSF-funded collaborative project on "Andean fossil mammals: phylogenetic and geologic implications," by MacArthur Curator **John Flynn** of Geology and Research Associate **Darin Croft** (\$250,000).
- An NSF award of \$179,854 to Assistant Curator **Maureen Kearney** of Zoology and Curator **Olivier Rieppel** of Geology for their project, "An Integrative Approach to the Problem of Snake Origins."

It has been noted more than once, notably during formulation of the 1999 Strategic Plan, that Field Museum curators are so productive on the grant front because they are "hungry." In this time of constrained finances, our scientists are to be particularly congratulated for not only keeping the research going, but in fact flourishing through energetic grantsmanship. It is worth noting that in 2002 51% of Academic Affairs spending was from grants (28%) or restricted funds (23%), and 49% from operating funds. In 2003 that ratio shifted dramatically, with grants accounting for 40% of total science spending, a similar proportion from operating funds, and about 19% from restricted funds. In short, our scientists are now raising a dollar in direct research support for every unrestricted dollar the Museum spends on science and collections—in addition to generating more than \$500,000 in overhead each year from research grants. Obviously, when we speak of our scientists' "contributions," the implications of the word go far beyond actual research.

Laboratories

The Museum's lab facilities were abuzz with activity during the year. Busiest in terms of number of projects was the multi-user Pritzker Laboratory for Molecular Systematics and Evolution, which often operates around-the-clock with more than 30 genetic projects underway at any given time, covering organisms ranging from lichens to ginseng and from snakes to moths. Work in the Pritzker Laboratory continues to expand as the number of projects involving DNA typing increases, and we have once again reached the limit of our available capacity. The Isotope Geochemistry Lab, directed by Associate Curator of Meteoritics **Meenakshi Wadhwa** and managed by Lab Manager **Phil Janney**, completed its second full year of operation. The Lab features a Micromass Isoprobe multi-collector magnetic sector plasma mass spectrometer (MC-ICP-MS) and a neighboring 750 sq. ft. state-of-the-art clean chemistry laboratory. The facility is dedicated to the precise measurement of radiogenic and selected stable isotopes in meteorites and terrestrial rocks. Geological applications of the laboratory include determining absolute ages of meteorites and terrestrial igneous rocks using long-lived isotope systems, measurement of the decay products of extinct radionuclides in meteorites to determine the chronology of planetary differentiation events in the early Solar System, and exploring the fractionation of stable isotopes of light elements and transition metals to address cosmochemical and geochemical problems. Anthropological applications of the lab include analysis of lead isotope ratios to determine sources of ores found in smelted metals. Strontium isotope ratios have also been employed to test the life history of human bone.

During 2003 the Museum received a grant from the National Science Foundation to create an Elemental Analysis Facility. Assistant Curator **Ryan Williams** was the proposal's Principal Investigator. The award of this equipment grant, combined with a generous pledge from the Cultural Collections Committee to raise \$250,000, provided the basis for development of the long-planned Anthropological Materials Analysis Laboratory, to start in spring 2004. The Facility will house an advanced high resolution multi-element quadrupole inductively coupled plasma mass spectrometer with laser ablation for minimally destructive trace and minor elemental analysis of a variety of anthropological and other natural history specimens. In contrast to the MC-ICP-MS instrument in the Geochemistry Lab, the quadrupole LA-ICP-MS can be employed for mass characterizations of many elements at once. Anthropological applications of the unit include the ability to identify the trace element composition of obsidian, ceramics, metals, and other materials quickly and efficiently. Over 30 different trace elements can be measured at one time, often to the parts per billion level, with high spatial accuracy. Thus, different components (paste, paints, temper, slip) of a ceramic can be tested individually and compared to signatures for different sources.

The Elemental Analysis Facility's capabilities will be further enhanced by the installation in 2004 of a new state-of-the-art Scanning Electron Microscope, thanks to an anonymous donor. The new SEM will be equipped with Energy Dispersive Spectroscopy, which enables it to perform nondestructive major and minor elemental analysis of a variety of objects. Taken together, the Isotope Geochemistry Lab, the Elemental Analysis Facility, and the SEM Lab will provide The Field Museum with a state-of-the-art compositional analysis center that will surely attract many users from neighboring institutions.

Collections

The research collections continued to grow at a rapid pace in 2003. We added nearly 115,000 specimens to the catalogue during the year, bringing the total collection size to 21,885,596. The rate of growth for the year is lower than in the two preceding years, due in part to staff reductions and in part to the accession in those years of large individual collections, but the 2003 growth rate (0.57%) still represents an enormous increase in sheer numbers of specimens, averaging more than 300 specimens processed each day.

In this context, special mention must be made of our progress on the Collections Resource Center, the 180,000 sq. ft. facility that has been carved out of the ground beneath the Museum's southeast terrace. When completed the CRC will house 2 million specimens from our Anthropology (ethnographic and archeological collections and oversized artifacts), Geology (fossil vertebrates, hard rock and paleobotany collections) and Zoology Departments (wet-preserved specimens and selected dry skeletal collections). This enormously complicated project is being ably overseen by **Scott Demel**, Collection Project Coordinator. Throughout the year, dedicated preparation teams in each of the departments involved have been undertaking such tasks as custom packing and bar-coding ethnographic objects, re-gasketing of jars and topping off alcohol and formalin levels in wet collections, freezing and boxing skeletal collections, as well as ongoing inventory and database improvements. As of this writing the facility is almost ready for the installation of mobile storage. Proposals have been received from several companies for the tracks and cabinetry, and final selection is imminent. Installation of the system should take place on time in the summer, and we anticipate that the move into the CRC will begin as scheduled in September of 2004.

On a parallel front, the Museum is taking innovative steps to improve its management of the collections data associated with its vast holdings. The "Common Ground" project, launched as a cooperative undertaking between Academic Affairs and Information Technology, is a coordinated effort to get the Museum up to speed on collections computerization. In 2002 **Joanna McCaffrey** was hired as Project Manager in the Information Technology area to oversee the technology side of the project, with an Academic Affairs Task Force for Collections Digitization headed by **Dorren Martin-Ross**, Anthropology Registrar, providing the collections management perspective. A review of the Museum's existing collections databases conducted by the Task Force revealed that there were 71 databases using 11 different software programs, so rationalization is clearly needed. Besides the practical necessity of modernizing the recordkeeping for the Museum's 21.8 million specimens, evidence of progress in this area is increasingly becoming a requirement of federal granting agencies like the National Science Foundation. Following an extensive review of software programs, all four collection-centered departments concurred in selecting EMu (Electronic Museum) system, from KE Software. The National Museum of Natural History (Smithsonian) has already adopted this system, the American Museum of Natural History is conducting a pilot project using the software, and it appears likely that the Natural History Museum, London, will be employing it as well. Start-up costs for the initiative will be high, but the key hurdle to surmount will be ongoing costs, which must become part of the Museum's operating budget. Botany is serving as the pilot department for the transfer of collections data to the EMu collections database system, and expansion to other areas will take place as funds become available. The hope is that in a few years the Museum will have established a state-of-the-art multi-collections database with a web-based interface.

Education and outreach

As always, Field Museum curators were heavily involved in university teaching and professional training (as outlined in the “Training Programs” section), but they also pursued their commitment to more broadly defined public education in novel ways.

Our ability to train the next generation of scientists was enhanced in 2003 with the establishment of The Brown Family Graduate Fellowship, which was endowed by the Brown family to support the work of a Field Museum-based graduate student in the University of Chicago’s Committee on Evolutionary Biology program. CEB is a long-standing collaboration among the University, The Field Museum, Brookfield Zoo, and Argonne National Laboratory. Field Museum scientists comprise a third of the CEB faculty and supervise two-thirds of its PhD candidates. The Brown Family Graduate Fellowship, the first of which will be awarded in 2005, further strengthens the Museum’s link to CEB.

One of the great new successes on the outreach front has been the “Expeditions @ Field Museum” distance learning program, which was made possible by a grant from the Negaunee Foundation. Expeditions is a web-based program through which the public can access regular e-mails from Field Museum scientists engaged in scientific work. The project’s stated mission is to “provide a direct and personal connection to the science and the scientists of the Museum, thereby increasing awareness and appreciation of Field Museum research and collection efforts.” The public can access the messages from Field Museum scientists online, as well as accompanying image galleries and interactive features, or receive e-mails directly—more than 1,000 subscribers have registered so far. The entire menu of on-line field trips is also accessible via the Apple Learning Exchange. The projects featured in “Expeditions” during 2003 included **Lance Grande’s** summer paleontology excavation in Wyoming, the archaeology excavation at in Shandong, China spearheaded by **Anne Underhill** and **Gary Feinman**, **Janet Voight’s** deep-sea dives into hydrothermal vents at the East Pacific rise, and a behind-the-scenes look at the Mammals collection with Collections Manager **Bill Stanley**.

Perhaps the landmark public learning event of 2003 was the “Year of Biodiversity and Conservation” initiative, officially launched in September. “YBC” is an outreach and education effort comprising nine months of programming—lectures, exhibits, workshops, and on-line resources—aimed at enlightening the public about the diversity of life on earth, and threats to that diversity, as well as highlighting Field Museum efforts in biodiversity science and conservation action. Each month centers on a theme—e.g., for 2003, Climate Change, African Biodiversity, Genetic Biodiversity, and Island Biodiversity—and various events tailored to each month’s theme, (lectures, scientist roundtables, and educational programs) allow visitors, teachers, and school groups to meet scientists and learn about relevant topics. A special kiosk in Stanley Field Hall highlights the work of Field Museum scientists, as does the YBC web site <www.fieldmuseum.org/biodiversity>, which also features a host of learning resources, and tips on what each of us can do to contribute to conservation.

In 1996, with funding from an anonymous donor, the Museum created the Parker/ Gentry Award, which recognizes individuals or groups whose efforts in environmental conservation have had a significant impact on preserving the world’s natural heritage. On October 7, Field

Museum President John McCarter presented the 2003 Parker/ Gentry Award to Lorivi Ole Moirana, Chief Warden of Law Enforcement operations for Tanzania's National Park system. Mr. Moirana, a colleague of Mammals Collections Manager **Bill Stanley**, is known both for his anti-poaching activities as well as his park expansion initiatives. In accepting the award, Mr. Moirana presented the audience of 100 listeners with an overview of the challenges facing Tanzania National Parks.

Of course, our exhibit halls are the foundation of our public education efforts, and here, too, the scientific staff have been active. The “Americas” exhibit is in full development under the curatorial leadership of **Jonathan Haas** and **Gary Feinman** of Anthropology. This exhibit represents a major departure from previous exhibitions about the prehistory of the Americas by telling a broad cross-cultural story of the evolution of cultural systems over long periods of time. The exhibit is based on the latest research and findings of contemporary scientific archaeology, and it particularly highlights the ongoing research programs of our curatorial faculty working in different parts of the Western Hemisphere.

The renovation of “Life Over Time” is proceeding apace as well. The exhibit’s development team has held several retreats with the Geology curatorial faculty, who in turn are in the process of reviewing five batches of draft label copy. Since “Life Over Time” covers a period of more than four billion years, from the formation of the Earth to the origin of life through the appearance of modern humans, it involves every curator in Geology as well as the Provost and Vice President. The new exhibit will display specimens from every research collection in the Department, and will display more of them than does the current version of the exhibit—a reflection of both the size and diversity of Geology’s research collections.

In a somewhat more “academic” vein, 2003 was the second year of the Research Seminar Series, which was kicked off in 2002 with an eye to reviving a valuable Field Museum tradition: a high-profile seminar series (weekly during teaching semesters) featuring current and exciting research in the fields of science represented at the Museum. The seminar series reflects both the strength and breadth of these research interests, and highlights cross-disciplinary as well as detailed research topics. The roster of invited speakers is a mix of Field Museum staff and scientists from other institutions. External speakers in 2003 included evolutionary biologists Jim McGuire from UC – Berkeley and Gunter Wagner from Yale, molecular biologist John Huelsenbeck of UC – San Diego, paleontologist Chris Brochu from the University of Iowa, conservation scientist Louise Egerton-Warburton from the Chicago Botanic Gardens, zoologist Jonathan Coddington of the Smithsonian Institution, anthropologist Terry Hunt from University of Hawaii, plate tectonics expert Chris Scotese of the University of Texas – Arlington, and botanist Taylor Feild of the University of Toronto. The seminars have been very well attended, and the series’ aims of highlighting the Field Museum’s research mission, promoting interactions between colleagues, and stimulating the thinking of participants have been successfully achieved.

On May 10, The Field Museum hosted the 2003 A. Watson Armour III Spring Symposium, which was co-organized by curators **Maureen Kearney** of Zoology and **Olivier Rieppel** of Geology. The symposium brought together contemporary philosophers of science and systematic biologists under the title “Systematics at a Crossroads Again: Biological and Philosophical Arguments in Contemporary Phylogenetics.” The discussion centered mainly on methods of phylogeny reconstruction and their philosophical justification. The meeting, which

attracted some 150 attendees, brought together all of the most prominent contemporary philosophers of science that write on biological issues, such as David Hull, Elliott Sober, Richard Boyd, and others. To have philosophers of such caliber jointly interact with a group of systematic biologists was a first-time event in the history of systematic biology.

An equally historic but more high-profile academic event was the Centennial Tribute to Louis Leakey, hosted by the Museum on October 10 – 11 in conjunction with the Leakey Foundation. The program celebrated the achievements of Louis and Mary Leakey, and provided a unique overview of current developments in the study of human origins. The conference brought together virtually every major scholar in the field—an unprecedented event that drew great interest from the press as well as the public. Some 500 people attended the lecture by Meave and Louise Leakey on the first day of the event, and about 300 turned out for the all-star program on day two, which featured talks by an illustrious roster of paleoanthropologists, primatologists, and archaeologists, including the Provost and Vice President of Academic Affairs.

Looking forward

I am firmly convinced that The Field Museum is home to one of the strongest groups of natural scientists in the world. Despite recent budget challenges and constraints on staffing, our scientists continue to produce scholarship of the highest quality, pursue innovative research, actively enhance the strength of our collections, and engage in a spectrum of influential outreach activities. While thus far we have been able to weather financial storms without major damage to our productivity or stature, we must work to ensure that science remains a high priority at The Field Museum, and protect our ability to do the ground-breaking research that has always been a hallmark of the institution. It is the realization of that ambition that makes the Field an exciting and stimulating organization with which to be associated, and the gauge by which we, and others, will measure the true worth of the institution.



Robert D. Martin
Curator of Biological Anthropology
Provost and Vice President, Academic Affairs

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Alfred F. Newton

Betz, O., Thayer, M. K., and **Newton, A. F.** (2003). Comparative morphology and evolutionary pathways of the mouthparts in spore-feeding Staphylinidae (Coleoptera). *Acta Zoologica* 84(3):179-238.

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Bruce D. Patterson

Patterson, B. D., E. J. Neiburger, E. J. and Kasiki, S. M. (2003). Tooth breakage and dental disease as

causes of carnivore-human conflicts. *Journal of Mammalogy* 84(1):190-196.

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Petra Sierwald

Sierwald, P., Shear, W. A., Shelley, R. M., and Bond, J. E. (2003). Millipede phylogeny revisited in the light of the enigmatic order Siphoniulida. *Journal of Zoological Systematics and Evolutionary Research* 41:87-99.

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Margaret K. Thayer

Peck, S. B. and **Thayer, M. K.** (2003). The Cave-inhabiting rove beetles of the United States (Coleoptera; Staphylinidae; excluding Aleocharinae and Pselaphinae): Diversity and distributions. *Journal of Cave and Karst Studies* 65:3-8. Available at: <www.caves.org/pub/journal/PeckThayerAppendix.rtf>.)

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Janet R. Voight

Thompson, J. T., and **Voight, J. R.** (2003). Erectile tissue in the *Octopus* copulatory organ. *Journal of the Zoological Society of London* 161:101-108.

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Mark W. Westneat

Westneat, M. W., Betz, O., Blob, R. W., Fezzaa, K., Cooper, W. J., and Lee, W. K. (2003). Tracheal respiration in insects visualized with synchrotron x-ray imaging. *Science* 5606:558-560.

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Phillip Willink

Willink, P. W., Chernoff, B., Machado-Allison, A., Provenzano, F., and Petry, P. (2003). *Aphyocharax yekwanae*, a new species of bloodfin tetra (Teleostei: Characiformes: Characidae) from the Guyana Shield of Venezuela. *Ichthyological Exploration of Freshwaters* 14:1-8.

Machado-Allison, A., Chernoff, B., Provenzano, F., **Willink, P. W.**, Marcano, A., Petry, P., Sidlauskas, B., and Jones, T. (2003). Inventory, relative abundance and importance of fishes in the Caura River basin, Bolívar State, Venezuela. In *A biological assessment of the aquatic ecosystems of the Caura River basin, Bolívar State, Venezuela*, ed. B. Chernoff, A. Machado-Allison, K. Riseng, and J.R. Montambault, 64-74. *RAP Bulletin of Biological Assessment* 28. Washington, DC: Conservation International.

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Machado-Allison, A., Chernoff, B., Rosales, J., Bevilacqua, M., Sparks, J.S., Magalhaes, C., García, J.V., Pereira, G., Díaz, W., and **Willink, P. W.** (2003). Appendix 1. General description of georeference areas sampled during the AquaRAP expedition to the Caura River, Bolívar State, Venezuela. In *A biological assessment of the aquatic ecosystems of the Caura River basin, Bolívar State, Venezuela*, ed. B. Chernoff, A. Machado-Allison, K. Riseng, and J.R. Montambault, 198-202. *RAP Bulletin of Biological Assessment* 28. Washington, DC: Conservation International.

Machado-Allison, A., Chernoff, B., **Willink, P.**, Provenzano, F., Petry, P., and Marcano, A. (2003). Appendix 7. Ichthyological field stations and analysis of the fish fauna sampled during the AquaRAP

expedition to the Caura River basin, Bolívar State, Venezuela. In *A biological assessment of the aquatic ecosystems of the Caura River basin, Bolívar State, Venezuela*, ed. B. Chernoff, A. Machado-Allison, K. Riseng, and J.R. Montambault, 240-252. *RAP Bulletin of Biological Assessment* 28. Washington, DC: Conservation International.

Machado-Allison, A., Chernoff, B., Provenzano, F., **Willink, P. W.**, Marcano, A., Petry, P., Jones, T., and Sidlauskas, B. (2003). Appendix 8. Fishes collected during the AquaRAP expedition to the Caura River basin, Bolívar State, Venezuela. In *A biological assessment of the aquatic ecosystems of the Caura River basin, Bolívar State, Venezuela*, ed. B. Chernoff, A. Machado-Allison, K. Riseng, and J.R. Montambault, 267-275. *RAP Bulletin of Biological Assessment* 28. Washington, DC: Conservation International.

CONFERENCES, SYMPOSIA, WORKSHOPS AND INVITED LECTURES, 2003

DEPARTMENT OF ANTHROPOLOGY

Elizabeth G. Allaire

American Institute for Conservation of Historic & Artistic Works, Arlington, VA; "Designing for Conservation" workshop, National Association for Museum Exhibition, Portland, OR; "Packing and Transporting Works of Art" workshop, Western Association for Art Conservation, Seattle Art Museum, WA.

JP Brown

"Self-organizing, Low-Power Radio Networked Devices" Conference, San Francisco, CA; "Restoration and Renovation 2003" Conference, Chicago, IL.

L. Antonio Curet

Annual Meeting of the Society for American Archaeology, Milwaukee, WI; Twentieth International Congress for Caribbean Archaeology, Santo Domingo, Dominican Republic.

Scott Demel

South Suburban Archaeological Society, Flossmoor, IL; Midwest Archaeological Conference, Milwaukee, WI; American Anthropological Association Annual Meetings, Chicago, IL.

Gary M. Feinman

Recipient, Rockefeller Foundation Internship, Bellagio, Italy; 68th Annual Meeting of the Society for American Archaeology, Denver, CO; workshop on Systematic Regional Survey in Southeast Shandong Province for county and museum officials, Rizhao, China.

Jonathan Haas

Peruvian Arts Society; Chicago Archaeological Society; University of Michigan School of Business; the Bainbridge Island Humanities Council.

Helen R. Haines

Midwest Mesoamerican Meeting, University of Michigan, Ann Arbor, MI; Midwest Andean Meeting, The Field Museum, Chicago, IL; "Preserving the Past: Archaeology in Belize" Conference, Belize City, Belize.

Ann Hall

The American Institute for Conservation of Historic and Artistic Works, Arlington, VA; Campbell Center for Historic and Preservation Studies, Mt. Carroll, IL.

John Maniatis

American Association of Museums Annual Meeting, Portland, OR.

Robert D. Martin

Laboratory of Comparative Development, Institute for Mind & Biology, University of Chicago, Chicago, IL; Department of Anthropology, California Academy of Sciences; Presentation for a National Geographic Educator workshop, The Field Museum, Chicago, IL; "Structure, Function and Evolution of the Primate Visual System" conference, Tübingen, Germany; 15th Annual Conference and Convocation of the Academia Europaea, Graz, Austria; "A Centennial Tribute to Louis Leakey," The Field Museum, Chicago, IL; Ernst Mayr Lecture 2003 for the Berlin-Brandenburgische Akademie der Wissenschaften and the Wissenschaftskolleg zu Berlin.

Dorren Martin-Ross

American Association of Museums Annual Meeting, Portland, OR.

Joanna Minderop

The American Institute for Conservation of Historic and Artistic Works, Arlington, VA.

Donna J Nash

32nd Annual Midwest Conference on Andean and Amazonian Archaeology and Ethnohistory, The Field Museum, Chicago, IL; 68th Annual Meeting of the Society for American Archaeology, Milwaukee, WI; 51st International Congress of Americanists, Santiago, Chile; 22nd Annual Northeast Conference on Andean Archaeology and Ethnohistory, Harvard University, Cambridge, MA; “The Reconstruction of Archaeological Landscapes through Digital Technologies: Second Italy-US Workshop,” Rome, Italy; American Anthropological Association Annual Meetings, Chicago, IL; 26th Annual Midwest Conference on Mesoamerican Archaeology and Ethnohistory, Ann Arbor, MI.

Stephen E. Nash

Society for American Archaeology, Milwaukee, WI; Central States Anthropological Society, Louisville, KY.

James Phillips

National Science Foundation/ National Research Center of Egypt joint Symposium, Cairo, Egypt; West Bank at Institute of Archaeology, Hebrew University of Jerusalem, and the American Research Center of Egypt, Cairo.

Jill Plitnikas

22nd Annual Meeting on Dyes in History and Archaeology, Abegg-Stiftung, Switzerland.

Katherine Ridgway

“Packing and Transporting Works of Art” workshop, Seattle, WA.

John Edward Terrell

Society for American Archaeology, Milwaukee, WI; American Anthropological Association Annual Meetings, Chicago, IL; Annual Meeting, Families with Children from China (FCC-Delaware Valley), Philadelphia, PA.

Anne P. Underhill

International Conference on the Development of Complex Societies in Eastern China, Jinan, Shandong, China; Department of Anthropology, University of Cincinnati, OH; Early China Seminar, Columbia University, NY; Society for American Archaeology Meeting, Milwaukee, WI; Frontier Lecture, Friends of Archaeology, Northwestern University, Evanston, IL; workshop on Systematic Regional Survey in Southeast Shandong Province for county and museum officials, Rizhao, China.

Alaka Wali

American Anthropological Association Annual Meetings, Chicago, IL; Urban Affairs Association Conference: “Shaping Our Urban Future,” Cleveland, OH; Annual Michigan Healthy Mothers, Healthy Babies Conference, Lansing, MI; The Chicago Council on Foreign Relations, Heartland Alliance for Human Needs & Human Rights, Chicago, IL; The Rockefeller Foundation and The Urban Institute, “Community Cultural Systems and Networks,” New York, NY; Ford Foundation, “Intersection III: Future Aesthetics: An Exploration of the Intersection Between Theater, Performance Poetry, Spoken Word and Hip Hop Culture” Symposium, Boston, MA; The Fund for Folk Culture Symposia, Santa Fe, NM.

Patrick Ryan Williams

43rd Annual Meeting of the Institute for Andean Studies, Berkeley, CA; 32nd Annual Midwest Conference on Andean and Amazonian Archaeology and Ethnohistory, The Field Museum, Chicago, IL; workshop on the Cultural Impacts of El Nino, Scripps Institute of Oceanography, University of California, San Diego, CA; 68th Annual Meeting of the Society for American Archaeology, Milwaukee, WI; A Symposium at the Sainsbury Research Unit, University of East Anglia, Norwich, UK; 51st International Congress of Americanists, Santiago, Chile; 22nd Annual Northeast Conference on Andean Archaeology and Ethnohistory, Harvard University, Cambridge, MA; The Reconstruction of Archaeological Landscapes through Digital Technologies: Second Italy-US workshop, Rome, Italy; American Anthropological Association Annual Meetings, Chicago, IL; University of Illinois at Chicago, Andean Anthropologists.

DEPARTMENT OF BOTANY

Michael O. Dillon

II Congreso Internacional de Estudiantes en Ciencias Biológicas, Trujillo, Perú.

Eve Emshwiller

Annual Meeting of the Society for Economic Botany, Tucson, AZ ; Universidad Mayor de San Andrés (UMSA), La Paz, Bolivia.

Fernando Fernández

2nd Congress of the Conservation of Biodiversity in the Andes and the Amazon Basin, Loja, Ecuador.

Sabine Huhndorf

Deep Hypha Meeting, Field Museum, Chicago, IL; Seventh International Mycological Congress, Oslo, Norway; Fourth NSF PEET (Partnership for Enhancing Expertise in Taxonomy) workshop, Berkeley, CA; workshop on Training in Taxonomy of Tropical Ascomycete Fungi, Costa Rica.

Patrick R. Leacock

Mycological Society of America Annual Meeting, Monterey, CA; Annual Smith Foray, Carbondale, IL; Illinois Mycological Association.

Robert Lücking

GLAL 6: Diversidad Liquéfica de Latinoamérica, México D.F.

Thorsten Lumbsch

Deep Hypha Meeting, Field Museum, Chicago, IL; Mycological Society of America and British Mycological Society Annual Meeting, Asilomar, CA; International Symbiosis Meeting, Halifax, Canada.

Andrew Miller

Workshop on Molecular Evolution, Woods Hole Marine Biological Institute, Woods Hole, MA; Deep Hypha Meeting, Field Museum, Chicago, IL.

Gregory M. Mueller

Deep Hypha Meeting, The Field Museum, Chicago, IL; Pan American Aerobiology Meeting, Chicago IL; XIV Congress of European Mycologists, Yalta, Ukraine; VII Field Meeting of the Commission for Macrofungi Investigations of the Russian Botanical Society, Caucasus Nature Preserve, Russia; Natural Science Collections Alliance Annual Meeting, Berkeley, CA; Mycological Society of America Annual Meeting, Asilomar, CA; Annual Meeting of the Midwestern Mycologists, IL; Fall Symposium, Missouri Botanical Garden, St. Louis, MO; NSF-sponsored workshop on “Developing a Decadal Plan for

Taxonomic Collections,” Gainesville, FL; NSF-IMLS PI workshop, Washington, DC; Presentation, Illinois Mycological Association.

Rachel Newton

Third International Conference on the Comparative Biology of the Monocotyledons, Rancho Santa Ana Botanic Garden, Claremont, CA; Fourth International Symposium on Grass Systematics and Evolution, Rancho Santa Ana Botanic Garden, Claremont, CA.

Christine Niezgoda

Society for Economic Botany Annual Meeting, Sonora Desert Museum, Tucson, AZ .

Richard Ree

University of Washington, WA.

Imke Schmitt

4th International Symbiosis Society Congress, Halifax, Canada; German Science Foundation (DFG), Priority Program “Evolution of Metabolic Diversity” Symposium, Halle, Germany; Real Jardín Botánico, Madrid.

Betty Strack

Deep Hypha Meeting, The Field Museum, Chicago, IL; XIV Congress of European Mycologists, Yalta, Ukraine; VII Field Meeting of the Commission for Macrofungi Investigations of the Russian Botanical Society, Caucasus Nature Preserve, Russia; Mycological Society of America Annual Meeting, Asilomar, CA; Midwestern Mycologists Annual Meeting, IL.

Jun Wen

Society for the Studies of Evolution, Chico, CA; Botanical Society of America Meetings, Mobile, AL; Annual Systematics Symposium, St. Louis, MO; Annual Conference of the Indian Association of Angiosperm Taxonomy, Bhagalpur, India; Field Museum Research Seminar Series, Chicago, IL.

CENTER FOR CULTURAL UNDERSTANDING AND CHANGE

Janis Bristol Alcorn

Global Changes workshop, World Research Institute and The Environmental Protection Agency, Washington, DC; World Parks Congress, Durban, South Africa; Community-Based Conservation workshop, University of Georgia, Athens, GA.

Hannah Anderson

American Anthropological Association Annual Meetings, Chicago, IL; Visual Culture Conference, Chicago, IL; Visual Research Conference, Chicago, IL.

Rosa Cabrera

American Anthropological Association Annual Meetings, Chicago, IL; Illinois Association of Museums Annual Conference, Skokie, IL; Building Community Connections workshop, American Association of Museums, Chicago, IL; American Association of Museums Annual Meeting, Portland, OR.

Raymond Codrington

Chicago Association of Practicing Anthropologists (CAPA).

Hilary del Campo

American Anthropological Association Annual Meetings, Chicago, IL.

Mario Longoni

American Anthropological Association Annual Meetings, Chicago, IL.

Michaela Marchi

National Association for Multicultural Education (NAME), Seattle, WA; American Anthropological Association Annual Meetings, Chicago, IL; “Unity Without Borders,” American Indian Center, Chicago, IL.

Josh Ostergaard

American Anthropological Association Annual Meetings, Chicago, IL; Visual Research Conference, Chicago, IL.

Helen Robbins

American Anthropological Association Annual Meetings, Chicago, IL.

David Rothschild

“Planes de Ordenamiento Predial” workshop (POPs), Office of the Agrarian Superintendent of Bolivia, Cobija, Pando, Bolivia; “Planes de Ordenamiento Predial” Field Training (POPs), The Centro de Investigacion y Preservacion de la Amazonia – CIPA, San Pedro de Bolpebra, Pando, Bolivia; Capacity Building for Regional Support Technicians (Seguidores) and Community Facilitators, The Centro de Investigacion y Preservacion de la Amazonia – CIPA, Porvenir, Pando, Bolivia; Conference on Gender and Cultural Diversity, NOVIB (Oxfam Netherlands) and HIVOS (Netherlands), Quito, Ecuador.

Jennifer Scott

“Building Community Connections” professional development workshop, American Association of Museums, Chicago, IL.

Rebecca Severson

American Anthropological Association Annual Meetings, Chicago, IL; Society for Applied Anthropology, Portland, OR; “Building Community Connections” professional development workshop, American Association of Museums, Chicago, IL; Forum on proposed Abla housing development and Chicago Housing Authority museum, Chicago, IL; “Building Social Capital through the Arts” panel, Chicago Department of Planning; “Shifting Out Of The Minority: The Policy Implications of a Growing Latino Population” and “The Future of Public Housing: A National Perspective on Creating Successful Mixed-Income Communities,” panels, Metropolitan Planning, Chicago, IL.

Alaka Wali

(see Department of Anthropology)

Ivan Watkins

Central States Anthropological Society Annual Meetings, Louisville, KY; American Anthropological Association Annual Meetings, Chicago, IL; Sci-Tech Hands On Museum's “Collaboration Between Scientists and Museums” workshop, Aurora, IL.

ENVIRONMENTAL CONSERVATION PROGRAMS

William S. Alverson

“Unification in the Collections Community and Facilitation of Knowledge Management” workshop, National Biological Information Infrastructure (NBII) and Natural Science Collections Alliance (NSCA), Albuquerque, NM.

Dan Brinkmeier

The American Association of Museums, Portland, OR; American Anthropological Association Annual Meetings, Chicago, IL; Universidad Amazonica de Pando, Cobija, Bolivia.

Carol J Fialkowski

“Nature in the City” program planning workshop, University of Minnesota - Bell Museum, St. Paul, MN; Meeting of Environmental Organizations on Regional Collaboration in the Tri-State Area, New York, NY; National Ecological Observatory Network, Writing workshops, National Academy of Sciences, Washington DC and University of Washington, Seattle, WA; California Academy of Sciences, “Water is Life” planning workshop, San Francisco, CA; Biodiversity Educators Network, Conference Planning, Washington, DC; Native Waters, workshops and Conference, Blackfeet Indian Reservation, Browning, MT; National Association of Environmental Education, Walter E. Jeske Award; Urban Biosphere & Society: Partnership of Cities Conference, New York, NY; World Wildlife Fund, Windows on the Wild workshop, Washington, DC; Community Biodiversity Education Partnership Program Training workshop, NCTC, Shepherdstown, WV; National Invasive Species Monitoring: A Citizen Science Project, Advisory Panel Meeting, Chicago Botanic Garden, Glencoe, IL.

Robin B. Foster

Brazilian Botanical Congress, Belem, Para, Brazil; Winrock workshop on 3-D remote imaging of tropical forest, Alexandria, VA.

Debra K. Moskovits

Results of Rapid Biological Inventories and Recommendations for Conservation Meetings: Beijing, China; Kunming, China; Ministry of Environment, La Paz, Bolivia; Universidad Amazonica de Pando, Cobija, Bolivia; Lima, Perú: Preliminary Results of Rapid Biological Inventories and Recommendations for Conservation – Yavarí and Ampiyacu, Perú; Final Results of Rapid Biological Inventories and Recommendations for Conservation – Yavarí; Iquitos, Perú: Preliminary Results of Rapid Biological Inventories and Recommendations for Conservation – Yavarí and Ampiyacu, Perú; Final Results of Rapid Biological Inventories and Recommendations for Conservation – Yavarí.

Jennifer Shopland

Society for Conservation Biology Annual Meeting, Society for Conservation Biology, Duluth, MN.

Corine Vriesendorp

Brazilian Botanical Congress, Belem, Brasil; Organization for Tropical Studies Tropical Ecology Course, La Selva Biological Station, Costa Rica.

DEPARTMENT OF GEOLOGY**Lorie Barber**

Society of Vertebrate Paleontology Annual Meeting, St. Paul, MN; Canadian Association for the Conservation of Cultural Property, Victoria, BC, Canada.

Lisa Bergwall

Society of Vertebrate Paleontology Annual Meeting, St. Paul, MN; Society for the Preservation of Natural History Collections, Lubbock, TX; Paleofest, Burpee Museum of Natural History, Rockford, IL.

John Bolt

Society of Vertebrate Paleontology Annual Meeting, St. Paul, MN.

Darin Croft

Society of Vertebrate Paleontology Annual Meeting, St. Paul, MN; Cleveland Museum of Natural History/ Case Western Reserve University; Florida Museum of Natural History, Gainesville, FL.

Marlene Hill Donnelly

Guild of Natural Science Illustrators' Annual Meeting, Denver, CO.

John J. Flynn

Society of Vertebrate Paleontology Annual Meeting, St. Paul, MN; 20th Mid-Continent Paleobotany Colloquium, The Field Museum, Chicago, IL; Charlas de Doctorado series (in Spanish), Departamento de Geología, Universidad de Chile, Chile; American Museum of Natural History seminar series, New York, NY; Field Museum Research Seminar Series, Chicago, IL.

C. Nicole Foley

Lunar and Planetary Science Conference, Houston, TX; 6th International Conference on Mars, California Institute of Technology, Pasadena, CA; Advanced Photon Source Colloquium, Argonne National Laboratory, Argonne, IL; American Geophysical Union Fall Meeting, San Francisco, CA.

Lance Grande

Society of Vertebrate Paleontology Annual Meeting, St. Paul, MN.

Lori Grove

American Association of Museums Annual Meeting, Portland, OR.

Eric Hilton

Society of Integrative and Comparative Biology Annual Meeting, Toronto; Society of Vertebrate Paleontology Annual Meeting, St. Paul, MN; The Natural History Museum, London, UK.

Rebekah Hines

Conservation of Fossil, Mineral, and Rock Collections, Canadian Association for Conservation Professional Development workshop, Victoria, British Columbia; Canadian Association for Conservation of Cultural Property (CAC) 2003 Conference, Victoria, British Columbia, Canada; Mid-continent Paleobotanical Colloquium, The Field Museum, Chicago, IL.

Philip E. Janney

8th International Kimberlite Conference, Victoria, British Columbia, Canada.

Nate Kley

Society for Integrative and Comparative Biology Annual Meeting, Toronto, Ontario, Canada; Symposium on The Developmental Basis of Evolutionary Change, University of Chicago, Chicago, IL.

Scott Lidgard

Geological Society of America meetings, Seattle, WA; Paleobiology Database Advisory Board meeting, Santa Barbara, CA.

Yusheng Liu

Conservation of Fossil, Mineral, and Rock Collections, Canadian Association for Conservation Professional Development workshop, Victoria, British Columbia, Canada; Canadian Association for Conservation of Cultural Property (CAC) 2003 Conference, Victoria, British Columbia, Canada; Mid-continent Paleobotanical Colloquium, Chicago, IL.

Peter J. Makovicky

Society of Vertebrate Paleontology Annual Meeting, St. Paul, MN; Institute of Vertebrate Paleontology and Paleoanthropology, Chinese Academy of Science, Beijing.

Jenny McElwain

20th Mid Continent Paleobotanical Colloquium, Chicago, IL; Symposium on the Triassic-Jurassic boundary, Annual Geological Association Conference, Vancouver, Canada; National Science Foundation Paleoclimate Workshop, Arlington, VA; University of Chicago, Chicago, IL; Northwestern University, Evanston, IL; Purdue University; Pennsylvania State University; Ohio State University.

Olivier Rieppel

Society of Vertebrate Paleontology Annual Meeting, St. Paul, MN; 45th Phylogenetic Symposium, Munich, Germany.

Akiko Shinya

Society of Vertebrate Paleontology Annual Meeting, St. Paul, MN.

William F. Simpson

Meeting of Preparators' Award Committee of the Society of Vertebrate Paleontology, Washington, DC; Society of Vertebrate Paleontology Annual Meeting, St. Paul, MN.

Constance Van Beek

Society of Vertebrate Paleontology Annual Meeting, St. Paul, MN.

Meenakshi Wadhwa

Robert M. Walker Symposium, Washington University, St. Louis, MO; Lunar and Planetary Science Conference, Houston, TX; Advanced Photon Source Colloquium, Argonne National Laboratory, Argonne, IL; Gordon Research Conference on Origins of Solar Systems, Bristol, RI; National Institute of Polar Research Symposium, Tokyo, Japan; 13th Annual Goldschmidt Meeting, Kurashiki, Japan; Division of Geological and Planetary Sciences, California Institute of Technology, Pasadena, CA.

Peter J. Wagner

International Paleobiology Database Symposium, Berlin; Geological Society of America Meetings, Seattle, WA; Adaptive Radiations Working Group, NCEAS, Santa Barbara, CA; Phanerozoic Diversity Working Group, NCEAS, Santa Barbara, CA; Taxonomy Database Working Group, Washington, DC; University of Leipzig; State University of New York - Stony Brook, NY.

PRITZKER LABORATORY FOR MOLECULAR SYSTEMATICS AND EVOLUTION

Kevin Feldheim

University of Miami, FL; American Elasmobranch Society; DePaul University, Chicago, IL.

DEPARTMENT OF ZOOLOGY

John M. Bates

American Ornithologists' Union Meetings, Urbana, IL; Field Museum Research Seminar Series, Chicago, IL; Strategic Framework Planning Workshop for the Albertine Rift region, Entebbe, Uganda.

Rüdiger Bieler

Esperance Marine Biological workshop, Western Australia; A. Watson Armour, III Spring Symposium, The Field Museum, Chicago, IL; All Species e-type workshop, Washington DC; American Malacological Society, Ann Arbor, MI.

Jochen Gerber

American Malacological Society, Ann Arbor, MI.

Paul Z. Goldstein

Willi Hennig Society Annual Meeting, New York, NY; Entomology Collections Network, Cincinnati, OH; Entomological Society of America National Meeting, Cincinnati, OH; Invertebrate Conservation in New England, Turner's Falls, MA.

Shannon J Hackett

American Ornithologists' Union Annual Meeting, Urbana, IL; Tree of Life Conference "Early Bird," Chicago, IL; Tree of Life workshop "Assembling the Tree of Life: Early Bird and Archosaur," New York, NY; University of Missouri, St. Louis, MO; Deep Hypha RCN meeting, Chicago, IL.

Lawrence R. Heaney

International Biogeography Society, University of Nevada, NV; Wildlife Conservation Society of the Philippines; American Society of Mammalogists, Lubbock, TX; Protected Areas and Wildlife Bureau, Philippine Dept. Environment and Natural Resources; Evolution Discussion Group, Northwestern University, Evanston, IL.

Maureen Kearney

A. Watson Armour, III Spring Symposium, The Field Museum, Chicago, IL; Minnesota Herpetological Society; National Science Foundation, "Development of a National Systematics Infrastructure: A Virtual Instrument for the 21st Century," New York Botanical Garden, NY.

James B. Ladonski

Indiana Academy of Sciences, Anderson, IN; 64th Annual Midwest Fish and Wildlife Conference, Kansas City, MO.

Jennifer Mui

American Society of Ichthyologists and Herpetologist, Manaus, Brazil.

Alfred F. Newton

Entomological Collections Network, Cincinnati, OH; Entomological Society of America, Cincinnati, OH; Coleopterists Society, Cincinnati, OH.

Bruce D. Patterson

Museum of Natural Sciences, Louisiana State University, Baton Rouge LA; American Society of Mammalogists, Lubbock TX; Earthwatch Institute PI Conference, Cambridge MA; NSF-sponsored workshop, University of Florida, Gainesville, FL.

Alan Resetar

Indiana Nongame Program, Amphibian and Reptile Technical Advisory Committee meeting, Indianapolis, IN; Indiana Academy of Sciences, Indianapolis, IN; 64th Annual Midwest Fish and Wildlife Conference, Kansas City, MO; Northern Cricket Frog Conservation Initiative, Chesterton, IN; Valparaiso Chain of Lakes Watershed Group, Inc., Valparaiso, IN.

Mary Anne Rogers

American Society of Mammalogists, Lubbock, TX; American Society of Ichthyologists and Herpetologist, Manaus, Brazil.

Petra Sierwald

Annual Meeting of the American Arachnological Society, Denver, CO; Assembling the Tree of Life: Phylogeny of spiders, Annual Meeting, Denver, CO; University of Wisconsin, Green Bay, WI.

Alexy Soldovnikov

Entomological Society of America, Cincinnati, OH.

William Stanley

American Society of Mammalogists, Lubbock, TX; Morogoro, African Small Mammal Conference, Tanzania.

Margaret K. Thayer

Entomological Collections Network Annual Meeting, Cincinnati, OH; Entomological Society of America Annual Meeting, Cincinnati, OH.

Janet R. Voight

"Biogeography and Biodiversity of Chemosynthetic ecosystems: Planning for the future" workshop Southampton, UK; American Malacological Society Annual Meeting, Ann Arbor, MI; Tenth Deep-Sea Biology Symposium, Coos Bay, OR.

Harold K. Voris

Indiana Academy of Sciences, Indianapolis, IN; Butler University Undergraduate Research Conference, Indianapolis, IN; Tropical Marine Science Institute (TMSI), Singapore; International Herpetological Symposium, Houston, TX; Biodiversity Research and Training Program of Thailand.

Mark W. Westneat

Society of Integrative and Comparative Biology, Toronto, Canada; Society for Systematic Biology and Society for the Study of Evolution, Chico, CA; Argonne National Laboratory, Argonne, IL; Texas A&M University, College Station, TX; University of Chicago, Chicago, IL; Field Museum Research Seminar Series, Chicago, IL.

David Willard

American Ornithologists' Union Annual Meeting, Champaign-Urbana, IL.

Philip Willink

American Society of Ichthyologists and Herpetologists, Manaus, Brazil; Indiana Academy of Science, Anderson, IN.

MUSEUM AND PUBLIC SERVICE, 2003

(Editorships, Committees, etc.)

DEPARTMENT OF ANTHROPOLOGY

Bennet Bronson

Field Museum: Department Representative, Science Advisory Council; Representative, Field Museum Collections Committee; Acting Chair, Anthropology Department; Chair, Anthropology Department Acquisitions Committee; Co-Chair, Anthropology Department CRC Project.

External: Museum Representative, Chicago Sister Cities Committee; Member, Advisory Committee, Chinatown Museum Foundation; Associate Editor, *ACRO Update*, Asian Ceramics Research Organization.

JP Brown

Field Museum: Member, Anthropology Information Management Committee; Member, SEM Committee; Outline design and equipment specification for planned Regenstein Pacific Conservation Laboratory; Designed alpha-version self-organizing, multi-hop radio network for RH and temperature measurement in Anthropology collection stores.

External: Peer reviewer, *ASHRAE Journal*; Beta-tester, CIMI XML Schema for Spectrum (conservation section); Consultant, environmental performance of Virginia State Capitol, Richmond, VA.

L. Antonio Curet

Field Museum: Member, Academic Affairs Information Technology Committee; Member, Research Seminar Series Committee; Coordinator, "Noon Balloon," Department of Anthropology; Public Lecture Coordinator, Department of Anthropology.

External: Member, Editorial Board, *Journal of Caribbean Archaeology*; Chair, Committee of the Americas, Society for American Archaeology; International Association for Caribbean Archaeology; Member, Newsletter Working Group, International Association for Caribbean Archaeology; Board Member, Puerto Rican Arts Alliance; Member, Religious Education Board, Corpus Christi Catholic Church; Archaeological Consultant, City of Ponce, Puerto Rico.

Scott Demel

Field Museum: Member, Academic Affairs and Museumwide CRC Task Forces.

External: Member, Board of Directors, Illinois Association for Advancement of Archaeology (IAAA); Member, Illinois Archaeological Survey (IAS), IL.

Gary M. Feinman

Field Museum: Member, Deaccessions Policy Committee; Member, Department of Anthropology, Acquisitions Committee, Boone Intern Selection Committee, and Cultural Collections Committee Intern Selection Committee; Member, Academic Affairs Management Group.

External: Editor, *Journal of Archaeological Research*; Associate Editor, *Journal of World-Systems Research*; Series Editor, *Fundamental Issues in Archaeology*; Advisory Editor, *Foundations of Archaeology*; Advisory Editor, *Foundations of Anthropology*; Advisory Editor, *Cross-Cultural Research*; Board of Editors, American Anthropological Association; Advisory Board, HRAF Collection of Archaeology/ *Encyclopedia of Prehistory*; Editorial Advisory Committee, *Latin American Antiquity*; Director, Committee to oversee the Archaeology Research Center at Shandong University, Jinan, China; Member, National Science Foundation Archaeology Panel; Member, Planning Committee, Mesa Redonda de Monte Albán IV, Oaxaca; Outside tenure/ promotion review: Arizona State Museum, Boston University, Northwestern University, University of California-Berkeley, University of California-San Diego, University of Massachusetts; Ms. referee: *American Anthropologist* (1), Cambridge University Press (1), *Cuadernos del Sur* (1), *Human Ecology* (1), *Journal of Field Archaeology* (1), *Latin American Antiquity* (3); Grant referee:

Foundation for the Advancement of Mesoamerican Studies, Inc. (1), Guggenheim Memorial Foundation (1), National Academy of Sciences Symposium (1), National Science Foundation (1).

Jonathan Haas

Field Museum: Coordinator, Cultural Collections Committee lectures; Member, Anthropology Department, Acquisitions Committee; Staff Liaison, Board Committee on deaccessioning; Chair, Tenure and Promotions Committee; Member, Academic Affairs and Museumwide CRC Task Forces.

External: Co-Organizer and Co-Chair, Midwest Andeanist Meetings, Chicago.

Robert D. Martin

Field Museum: Chair, Academic Affairs Management Group; Member, VP Docket; Member, Finance Council; Member, Collections and Research Committee of the Board of Trustees; Member, Academic Affairs and Museumwide CRC Task Forces; Member, Common Ground Collections Digitization Project Committee; Participant, External Review of the Geology Department; Member, Repatriation Committee.

External: Participant, Search for a professorship in Organismal Biology at University of Chicago; Member, External Scientific Advisory Council of Duke University Primate Center; Member, Scientific Advisory Committee for the NSF-supported Integrated Primate Biomaterials and Information Resource.

Dorren Martin-Ross

Field Museum: Member, Common Ground Collections Digitization Project Committee; Member, Anthropology Acquisitions Committee; Member Anthropology Information Management Committee.

Stephen E. Nash

Field Museum: Professional Staff Representative, Academic Affairs; Member, Academic Affairs Management Group.

External: Roads Scholar, Illinois Humanities Council; Editorial Board, *Bulletin of the History of Archaeology*; Co-Chair, History of Archaeology Interest Group, Society for American Archaeology; Adjunct Assistant Professor, University of Illinois at Chicago.

Linda Nicholas

External: Editorial Assistant, *Journal of Archaeological Research*, *Fundamental Issues in Archaeology*; Grant Referee, National Science Foundation.

Ruth E. Norton

Field Museum: Member, Facilities and Planning Advisory Committee; Member, Pest Control Subcommittee; invited lecture, Cultural Collections Committee.

External: Reviewer, National Endowment for the Humanities, Preservation Assistance Grants; Reviewer, National Endowment for the Humanities, Conservation Project Grants; Reviewer, Getty Grant Program, Conservation Projects Grants; Reviewer, Institute of Museum and Library Services, Conservation Project Support Grants.

Christopher J. Philipp

Field Museum: Member, Regenstein Endowment Committee (exhibit development).

James Phillips

Field Museum: Chair, Joint Ph.D. Program, The Field Museum and University of Illinois at Chicago.

John Edward Terrell

Field Museum: Member, Regenstein Endowment Committee; Acting Member, Scholarship Committee; Member, AA Database Task Force Committee; Member, Anthropology CRC Move Committee; Member, Anthropology Accessions Committee; Member, Anthropology Database Committee; Member, Common Ground Collections Digitization Project Committee.

Anne P. Underhill

Field Museum: Member, Library Committee; Member, Publications Committee; Member, Disaster Plan Committee; Boone Intern Selection Committee.

External: Grant Reviewer, National Science Foundation; Reviewer, *Asian Perspectives*, *Journal of Anthropological Archaeology*; Member, Advisory Board, *Journal of East Asian Archaeology*; Member, Editorial Board, *Journal of Anthropological Science*, the English language journal of the Anthropological Society of Japan.

Alaka Wali

Field Museum: Member, Academic Affairs Management Group; Chair, Curatorial Reappointment Committee, Anthropology Department.

External: Member, U.S. National Committee of the International Union of Anthropological and Ethnological Sciences Planning Committee; Member, Board of Trustees: The Latin School, High Jump (Program for Talented Minority Youth); Member, Advisory Committee of Chicago Center for Arts Policy, Columbia College; Board of Directors, Youth Organization Umbrella (YOU), Evanston, IL; Honoree, *Women Alive!* Exhibit, Archeworks, Chicago, IL.

Patrick Ryan Williams

Field Museum: Member, Scanning Electron Microscope Committee; Member, Visualization Laboratory Committee; Member, Temporary Exhibits Committee; Member, Geochemical Analysis Management Committee.

External: Grant Reviewer, National Science Foundation; Reviewer, *Journal of Field Archaeology*; Reviewer, *Andean Past*; Reviewer, *Latin American Antiquity*; Reviewer, *University of Iowa Press*; Reviewer, *Cambridge University Press*; Co-Organizer and Co-Chair, Midwest Andeanist Meetings, Chicago. Co-Organizer and Co-Chair, *Foundations of Andean Civilization: Papers in Honor of Michael E. Moseley*, SAA session Milwaukee; Co-Organizer and Co-Chair, The Reconstruction of Archaeological Landscapes through Digital Technologies: Second Italy-US workshop, Rome, Italy; Editor, *The Reconstruction of Archaeological Landscapes through Digital Technologies: First Italy-US Workshop*, Archaeopress.

DEPARTMENT OF BOTANY**William C. Burger**

Field Museum: Scientific Editor, *Fieldiana*.

Michael O. Dillon

Field Museum: Member, Library Committee.

External: Honorary Professor, Education Faculty, Universidad Nacional de Cajamarca, Cajamarca, Perú; Docente, Escuela de Post-Grado, Universidad Nacional de Cajamarca, Cajamarca, Perú; Visiting Professor, Universidad Antenor Orrego, Trujillo, Perú; Honorary Professor, Universidad Nacional de Tumbes, Tumbes, Perú; Honorary Professor, Universidad Nacional de San Agustín, Arequipa, Perú; Socio Honorario, Colegio de Biólogos del Perú.

Eve Emshwiller

Field Museum: Member, Temporary Exhibits Committee.

External: Consultant/ Invited Workshop Participant, Chicago Botanical Garden; Manuscript Reviewer, *American Journal of Botany*; Manuscript Reviewer, *Molecular Phylogenetics and Evolution*; Manuscript Reviewer, *Taxon*; Proposal Reviewer, National Science Foundation, Systematics Program; Proposal Reviewer, Graduate Women in Science (GWIS) Eloise Gerry Fellowship; Proposal Reviewer, National Geographic Society.

John J. Engel

Field Museum: Member, Science Advisory Council; Chair, Publications Committee.

External: Curatorial Affiliate, Peabody Museum of Natural History, Yale University, New Haven, CT.

Susan M. Hamnik

Field Museum: Member, Safety and Security Committee.

Sabine Huhndorf

Field Museum: Taskforce Member, Common Ground Collections Digitization Botany Pilot Project.

External: Chair, Mycological Society of America Biodiversity Committee; Councilor for Systematics and Evolution, Mycological Society of America.

Lucia Kawasaki

External: Manuscript Reviewer, *Acta Botanica Brasilica*, *Brittonia*, *Taxon*, *Flora Neotropica* monograph.

Patrick R. Leacock

Field Museum: Member, Chicago Wilderness Science Team.

External: Scientific Advisor, Illinois Mycological Association; Contact for mushroom cases, Illinois Poison Center; Member, Voucher Collection Committee, North American Mycological Association.

Robert Lücking

Field Museum: Taskforce Member, Common Ground Collections Digitization Botany Pilot Project.

Thorsten Lumbsch

External: Member, Norwegian Research Council; Editorial Board Member, *Anales del Jardín Botánico de Madrid*; Editor, *Mycological Research*; Reviewer, *Deutsche Forschungsgemeinschaft*, Norwegian Research Council; Manuscript Reviewer: *American Journal of Botany*; *Bryologist*; *Herzogia*; *Lichenologist*; *Mycologia*; *Mycological Research*; *Mycotaxon*; *New Phytologist*; *Nova Hedwigia*; *Plant Biology*; *Proceedings of the Academy of Sciences, India*.

Gregory M. Mueller

Field Museum: Member, Academic Affairs Management Group; Academic Affairs Representative, Technology Subcommittee of Board of Trustees; Member, Field Museum-Monsanto Environmental Education Initiative Steering Committee; Member, SEM Committee; Member, v-Plant Coordinating Group, joint Field Museum, Morton Arboretum, and Chicago Botanic Garden project; Field Museum/Univ. of Chicago-CEB Liaison for training grants; Member, Common Ground Collections Digitization Botany Pilot Project.

External: Chair, Graduate Admissions Committee, Committee on Evolutionary Biology, Univ. of Chicago; International Coordinator, National Fungal Inventory, National Institute of Biodiversity (INBio), Costa Rica; Member (USA representative), Fungi Specialist Group, The World Conservation Union (IUCN) Species Survival Commission; Representative, Mycological Society of America, International Mycological Association; Member, Distinctions Committee, Mycological Society of America; Chair, Voucher Collection Committee, North American Mycological Association; Member, Science Advisory Committee, Illinois Chapter of The Nature Conservancy; Member of the Board, Natural Science Collections Alliance; Contact for mushroom cases, Illinois Poison Control Center; Scientific Advisor, Illinois Mycological Association; Member, Organization for Flora Neotropica Commission.

Christine Niezgoda

Field Museum: Member, Pest Control Subcommittee; Taskforce Member, Common Ground Collections Digitization Botany Pilot Project.

External: Judge, Fulling Award for best paper presentation, Society for Economic Botany Annual Meeting, Tucson, AZ; Proposal Reviewer, National Science Foundation.

Matthew von Konrat

Field Museum: Member, Research Seminar Series Committee; Taskforce Member, Common Ground

Jun Wen

Field Museum: Member, Management Committee, The Pritzker Laboratory for Molecular Systematics and Evolution; Member, Library Committee; Member, Scholarship Committee; Member (at large), Science Advisory Council; Member, Tenure Evaluation Committee for Jenny McElwain, Department of Geology. External: Honorary Professor, Institute of Botany, the Chinese Academy of Sciences, Beijing, China; Honorary Member, Indian Association of Angiosperm Taxonomy, India; Editor, *Molecular Phylogenetics and Evolution*; Editorial Board Member, *Journal of Plant Research*, Japan; Editorial Board Member, *Systematic Biology*; Editorial Board Member, *Acta Botanica Yunnanica*; Treasurer, American Society of Plant Taxonomists; Proposal Reviewer, National Science Foundation Systematic Biology Program, National Science Foundation Biodiversity Surveys and Inventories, Netherlands Foundation for the Advancement of Tropical Research; Manuscript Reviewer, *American Journal of Botany*, *Systematic Botany*, *Systematic Biology*, *Molecular Phylogenetics and Evolution*, *Plant Systematics and Evolution*, *Annals of Missouri Botanical Garden*, *Journal of Biogeography*, *Journal of Plant Research*, *International Journal of Plant Sciences*, *Botanical Bulletin of Academic Sinica*.

CENTER FOR CULTURAL UNDERSTANDING AND CHANGE

Rosa Cabrera

External: Advisory Committee, *Things in Common* Exhibition, Brooklyn Children's Museum; Advisory Committee, The Killing Fields Memorial, Cambodian Association of Illinois; Advisory Committee, Multicultural Parent Program, Chicago Public Schools' Office of Language and Cultural Education; Member, "Advancing Chicago's Civic Agenda through the Arts" Task Force, Chicago Department of Planning.

Michaela Marchi

External: Member, Chicago American Indian Community Consultant Committee, Americas Exhibit Development Project.

Rebecca Severson

External: Member, "Advancing Chicago's Civic Agenda through the Arts" Task Force, Chicago Department of Planning; Awardee, Community Support Awards, "Imagine Englewood if"; Program Chair, Chicago Association for the Practice of Anthropology (CAPA); Organizer, The Ford Foundation's "The Exhibiting and Dissemination of Knowledge on Race, Racism, and Identity" national meeting.

Madeleine Tudor

Field Museum: Chair, Academic Affairs Temporary Exhibitions Committee.

Alaka Wali

(see Department of Anthropology).

Ivan Watkins

External: Awardee, Community Support Awards, "Imagine Englewood if."

ENVIRONMENTAL CONSERVATION PROGRAMS

William S. Alverson

Field Museum: Member, Common Ground Collections Digitization Botany Pilot Project.

Daniel Brinkmeier

Field Museum: Co-investigator, Project BEA TRA (with Zoology Dept.) Lwiro, Bukavu, Democratic Republic of the Congo.

External: Advisor, Fundación para la ciencia y el desarrollo de Beni, Trinidad, Beni, Bolivia; Advisor, Museo de Historia Natural Villalobos, Cobija, Bolivia; Advisor, Center for Production and Diffusion, Amazonian University of the Pando, Cobija, Bolivia.

Carol J Fialkowski

Field Museum: Presenter, Field Museum International Council, Conservation Programs Overview.

External: Advisory Board, Mighty Acorns, Chicago Wilderness; Review Committee, Informal Science Education Grants, National Science Foundation; Co-Chair, National Biodiversity Educator's Network; Advisory Committee, American Association for the Advancement of Science; Advisory Committee, Illinois Environmental Education Advancement Consortium; Steering Committee, Environmental Literacy for Illinois; Advisory Council, The Biodiversity Project; Illinois Mathematics and Science Partnership Advisory Committee, Illinois State Board of Education; Education and Community Task Forces, Lake Calumet Initiative, City of Chicago, Department of Environment; Advisor, NSF, Informal Science Education Grants, Cornell Lab of Ornithology; Advisor, University of Minnesota, Bell Museum; Advisor, California Academy of Sciences; Advisor, Montana State University, Native Waters; Advisor, Sacred Balance TV Series; Advisor, Louisville Science Center; Advisor, AAAS; Advisor, Biodiversity Educators Network; Review Committee, Project Learning Tree, Biodiversity Modules; Advisory Board, Windows on the Wild, WWF; Communications' Advisor, Coordinating Group, Urban Biosphere Reserve Task Force – Chicago Wilderness; Advisory Committee, Monsanto Plan for Educational Programming for *Underground Adventure*; Biodiversity Plan Task Force, Mayor Daley's Nature and Wildlife Committee; Advisory Board and Bird Committee, Save the Prairie Society; Committee on the National Ecological Observatory Network, Board on Life Sciences, National Research Council of the National Academies.

Robin B. Foster

External: Research Associate, Smithsonian Tropical Research Institute; Member, Commission for Flora Neotropica; Scientific Board, International Center for Tropical Ecology; Research Associate, Missouri Botanical Garden; Research Associate, Museo de Historia Natural, Lima, Perú; Trustee and Research Associate, Institute for Botanical Exploration.

Debra K. Moskovits

Field Museum: Member, Academic Affairs Management Group.

Thomas S. Schulenberg

External: Editorial Board, *Bird Conservation International*; Editorial Board, *Cotinga*; Member, South American Checklist Committee, American Ornithologists' Union.

Douglas F. Stotz

Field Museum: Member, Scientific Advisory Council; Member, Academic Affairs Library Committee.

External: Secretary, Illinois Ornithological Records Committee; Board of Directors, The Wetlands Initiative; Member, Endangered Species Technical Advisory Committee for Birds; Member, Bird Monitoring Committee, Bird Conservation Network; Member, South American Checklist Committee, American Ornithologists' Union; Member, Checklist Committee, American Ornithologists' Union; Member, Wildlife and Nature Committee, City of Chicago; Member, "Lights Out" Sub-committee, Wildlife and Nature Committee, City of Chicago; Member, Wolf Road Prairie Advisory Committee; Member, National Audubon Illinois Important Bird Areas Technical Committee; Member, Biodiversity Plan for Chicago Committee.

Gayle S. Tonkovich

Field Museum: Member, Common Ground Collections Digitization Botany Pilot Project.

DEPARTMENT OF GEOLOGY

Lorie Barber

Field Museum: Member, Safety and Security Committee.

John R. Bolt

Field Museum: Member, Science Advisory Council; Acting Chair, Department of Geology; Member, Temporary Exhibits Committee; Member, Geology Search Committee for Invertebrate Paleontology Collections Manager; Member, Geology Promotions Committee; Member, Zoology Promotions Committee.

External: Chair, Financial Oversight Committee, Society of Vertebrate Paleontology.

Darin Croft

External: Chair, "ReptileFest" Committee and Member-at-Large, Board of Directors, Chicago Herpetological Society; Pre-clerkship Curriculum Review Committee, The University of Chicago, Pritzker School of Medicine.

Marlene Hill Donnelly

External: Coordinator, Annual Meeting, Guild of Natural Science Illustrators.

John J. Flynn

Field Museum: Field Museum Undergraduate Teaching Coordinator, University of Chicago; Academic Affairs Licensing Policy Committee.

External: Associate Chair, Committee on Evolutionary Biology, University of Chicago; Member of Development Committee (Past-Presidents Subcommittee), Society of Vertebrate Paleontology; International Scientific Board (founding member) and Associate Editor, *Systematic Paleontology*.

Lance Grande

Field Museum: Chair, Science Advisory Council; Chair, Field Museum Scholarship Committee; Member, Academic Affairs Management Group; Member, Publications Committee; Member, Women's Board Women in Science Committee.

External: Editorial Board, *Journal of Vertebrate Paleontology*; Editorial Board, *Revista*; Romer Prize Committee, Society of Vertebrate Paleontology.

Lori Grove

External: Board of Directors, Maxwell Street Historic Preservation Coalition; Member, Maxwell Street Museum Advisory Board and Chair, Programs and Events Committee; Coordinator, Zbigniew Jastrzebski submission for University of Chicago "Festival of the Arts" Alumni Exhibition.

Eric Hilton

External: Editorial Board, American Society of Ichthyologists and Herpetologists; Technical Editor, *Journal of Paleontology*.

Philip E. Janney

Field Museum: Member, Safety and Security Committee.

External: Proposal Referee, National Science Foundation and NASA.

Scott Lidgard

Field Museum: Member, Library Committee; GIS Committee; Member, Common Ground Collections Digitization Project Committee; SEM Committee; *Year of Biodiversity and Conservation* planning committee; Northeast Lightwell renovation planning group; Geology Search Committee for Invertebrate Paleontology Collections Manager; Chair, Department of Geology Promotions Committee; Member, Zoology Promotions Committees.

External: Academic Affairs *ad hoc* liaison to Biology Department, University of Illinois at Chicago; Advisory Board, The Paleobiology Database; Proposal Referee, National Science Foundation; Reviewer, *Paleobiology*, *Biological Bulletin*.

Peter Makovicky

Field Museum: Member, Research Seminar Series Committee.

External: Content Specialist, Theropod exhibit planned by the National Science Museum in Tokyo.

Jennifer C. McElwain

Field Museum: Chair, Paleobotany Collection Manager search committee; Women's Board Talk, Field Museum.

External: Organizer, 20th Annual Mid Continent Paleobotanical Colloquium; Manuscript Reviewer, *Paleobiology*, *Paleobotany and Palynology*, *Geology*, *PALAIOS*; Participant and Proposal Reviewer, National Science Foundation paleoclimate workshop.

R. Carter O'Brien

Field Museum: Professional Staff Representative, Academic Affairs; Member, Science Advisory Council; Member, Academic Affairs Management Group; Member, Field Museum Facility Advisory Group, Recycling Subcommittee (Greener Field).

Olivier Rieppel

Field Museum: Member, Academic Affairs Management Group; Member, Academic Affairs and Museumwide CRC Task Forces; Alternate, Scholarship Committee; Member, Renovation Committee for *Life over Time*; Co-organizer, 2003 A. Watson Armour, III Spring Systematics Symposium.

External: Editor, *Journal of Vertebrate Paleontology*; Associate Editor, *Zoological Journal of the Linnean Society*, *Amphibia and Reptilia*, and *Zoologischer Anzeiger*; Editorial Board, *Bulletin de la Société Géologique de France*, *Development and Evolution*, and *Zoologische Abhandlungen des Staatlichen Museums für Tierkunde*; Member, Richard Estes Memorial Award Committee, Society of Vertebrate Paleontology; Member, Honorary Membership Committee, Society of Vertebrate Paleontology.

William F. Simpson

Field Museum: CRC move Committee; Respirator trainer and tester for third floor; Museum Affairs Licensing Committee; Member, Common Ground Collections Digitization Project Committee; Member, Renovation Committee for *Life Over Time*; Coordinator, *SUE* maintenance and access; Participant, International Council Meeting.

External: Chair, Preparators' Award Committee of the Society of Vertebrate Paleontology.

Meenakshi Wadhwa

Field Museum: Member, Scholarship Committee.

External: Member, Council of the Meteoritical Society; Member, NASA's Curation and Planning Team for Extraterrestrial Materials; Panel Chief, NASA's Cosmochemistry Program Review Panel; Member, Universities Space Research Association's Science Council for Lunar and Planetary Institute.

Peter J Wagner

Field Museum: Chair, Academic Affairs Information Technology Committee; Member, Academic Affairs Library Committee; Member, Common Ground Collections Digitization Project Committee.

Elaine Zeiger

Field Museum: Secretary, Field Museum Scholarship Committee.

DEPARTMENT OF ZOOLOGY

John M. Bates

Field Museum: Member, Pritzker Lab Management Committee; Member, Academic Affairs Management Group; Member, Academic Affairs Licensing Committee; Member, Academic Affairs and Museumwide CRC Task Forces; Member, Year of Biodiversity and Conservation Planning Committee; Academic Affairs point person, Year of Biodiversity and Conservation Africa Month; Member, Field Museum Africa Council; Participant, Field Museum International Council; Member, Common Ground Collections Digitization Project Committee; Presentation, Field Museum Board of Trustees; Presentation, Field Museum Collections and Research Committee.

External: Department of Zoology Liaison with Chicago office of US Fish and Wildlife Service.

Rüdiger Bieler

External: Past President on Council, American Malacological Society; North American Editor, Zoological Journal of the Linnean Society; Editorial Board, *Malacologia – International Journal of Malacology*, *The Nautilus*, *The Festivus*, *Iberus*, *The Yuriyagai*, *Acta Zootaxonomica Sinica*, *Malakologische Abhandlungen*, *Papéis Avulsos de Zoologia*, *Arquivos de Zoologia*; Member, Faculty Appointments Committee, CEB, University of Chicago.

Jack Fooden

External: Editorial Board, *International Journal of Primatology*.

Jochen Gerber

Field Museum: Member, Library Committee.

External: Member, National Committee for “Mollusk of the Year,” Germany; Taxonomist, Rapid Response Team for Aquatic Invasions in Illinois, Illinois-Indiana Sea Grant College Program/ Illinois Natural History Survey.

Paul Z. Goldstein

Field Museum: Member, Pritzker Lab Management Committee.

External: Board Member, Sheriff’s Meadow Foundation.

Steven M. Goodman

External: Editorial Board, *Faune de Madagascar*, *Mammalia*, *Working Group on Birds of the Malagasy Region*.

Shannon J Hackett

Field Museum: Member, Pritzker Lab Management Committee; Member, Academic Affairs Management Group; Member, Loading Dock Renovations Committee; Manager, High Performance Computing Cluster; Academic Affairs point person, Year of Biodiversity and Conservation, Genetic Diversity Month; Academic Affairs point person and Featured Scientist, Year of Biodiversity and Conservation, Tree of Life Month; Member, Common Ground Collections Digitization Project Committee; participant, New Trustee Orientations; Radiation Safety Officer.

External: Associate Editor, *The Auk*; Editorial Board, *Molecular Phylogenetics and Evolution*; Member, University of Chicago Committee on Evolutionary Biology Student Advisory Committee.

Lawrence R. Heaney

Field Museum: Member and Chair, Promotions Committees, Department of Zoology; Chair, Pest Control Subcommittee, Facilities Advisory Group; Non-Departmental Member, Promotions Committee, Department of Geology.

External: Member, Chiropteran Advisory Group, American Association of Zoological Parks and Aquaria; Member, Science Advisory Board, Lube Foundation; Member, Merriam Award for Research Excellence Committee, American Society of Mammalogists; Board of Trustees and Editorial Board, Wildlife Conservation Society of the Philippines; Consultant on Philippine issues for Conservation International, National Geographic Society, and World Wildlife Fund; Member, Meeting Planning Committee, and Vice President, International Biogeography Society.

Mary Hennen

External: Board Member, Education Committee Chair, and Editorial Board; Illinois Ornithological Society; Board Member, Illinois Bluebird Project; Illinois Audubon Society.

Robert F. Inger

External: Member, Board of Trustees, and Chair, Science Advisory Committee, Illinois Chapter, The Nature Conservancy; Member, Illinois State Board of Natural Resources and Conservation, Associate Editor, *Raffles Bulletin of Zoology*; Associate Editor, *Acta Zootaxonomica Sinica*.

Janeen Jones

Field Museum: Member, Common Ground Collections Digitization Project Committee; Member, Common Ground Collections Digitization Core Group Subcommittee.

Maureen Kearney

Field Museum: Member, Research Seminar Series Committee; Co-organizer, 2003 Field Museum A. Watson Armour III Spring Systematics Symposium; Substitute, Scholarship Committee.

External: Member, Executive Council, Herpetologists' League; Member, Board of Governors and Chair, Gaige Fund Student Award Committee, American Society of Ichthyologists and Herpetologists; Member, Estes Awards Committee, Society of Vertebrate Paleontology; Elector, Society for the Study of Amphibians and Reptiles; Editorial Board, *Copeia*; Steering Committee Member, Morphobank Project to Plan an Interactive Web Data Matrix for Storage and Retrieval of Morphological Data for Phylogenetic Analysis; Grant reviewer, Eloise Gerry Women in Science and National Science Foundation (Career Grants) and Doctoral Dissertation Improvement Grant panel; Manuscript referee, *Cladistics*, *Copeia*, *Genetics and Molecular Biology*, *Revistas do Museu de Zoologia da USP*.

James B. Ladonski

Field Museum: Member, Field Museum Facility Advisory Group, Recycling Subcommittee (Greener Field).

Alfred F. Newton

Field Museum: Member, Publications Committee; Member, SEM Selection Committee.

External: Member, Editorial Board, *Belgian Journal of Entomology*; Member, Committee for Official List of Family and Genus group names in Coleoptera (Coleopterists Society representative); Member, Lacordaire Prize Selection Committee of Coleopterists Society.

Bruce D. Patterson

Field Museum: Member, Field Museum/ UIC Coordination Committee; Member, Zoology Promotions and Review Committee; Coordinator, Year of Biodiversity and Conservation, Neotropics.

External: President, American Society of Mammalogists and *ex officio* member of 28 standing committees; Editorial Board, *Mastozoología Neotropical*, *Publicaciones Especiales*, *Mastozoología Neotropical*, and *Diversity and Distributions*; Member, New World Marsupials Specialist Group, International Union for the Conservation of Nature/ Species Survival Plan; Member, Chancellor's Advisory Committee, University of Puerto Rico; Member, Bionexus Scientific Advisory Council; Member, Science Advisory Board, Midwest Museum of Natural History; Consultant, Malagasy Biodiversity Institute.

Martin D. Prydzia

Field Museum: Member, Safety and Security Advisory Committee; Member, Clean-Up Week Committee.

Alan Resetar

External: Member, Indiana DNR Nongame Program, Amphibian and Reptile Technical Advisory Committee; Member, Chicago Wilderness Reptile and Amphibian Recovery Plan; Member, Partners in Amphibian and Reptile Conservation; Member, Indiana Academy of Science, Biodiversity and Natural Areas Committee; Member, Porter County Wildlife Management Board.

Mary Anne Rogers

Field Museum: Member, Field Museum Facility Advisory Group, Recycling Subcommittee (Greener Field); Member, Field Museum Pest Control Subcommittee.

External: Member, Collections and Resources Committee, American Society of Ichthyologists and Herpetologists.

Petra Sierwald

Field Museum: Chair, Library Committee; Member, Temporary Exhibit Committee.

External: Editorial Board, *The Journal of Arachnology* and *Journal for Zoological Systematics and Evolutionary Research*; Adjunct Graduate Faculty, University of Illinois at Chicago and East Carolina University; Panelist, National Science Foundation, PEET Program Panel; Member, Committee of Visitors, NSF; Reviewer, National Science Foundation.

William F. Stanley

Field Museum: Member, Field Museum Facility Advisory Group, Recycling Subcommittee (Greener Field); Member, Facilities Advisory Group.

External: Member, Resolution Committee, Systematic Collections Committee (American Society of Mammalogists).

Kevin Swagel

Field Museum: Member, Personnel Committee.

Margaret K. Thayer

Field Museum: Member, Information Technology Committee; Member, Common Ground Collections Digitization Project Core Committee; Supervisor-trainer, Zoology Department, Computerized slide-making system and digital photomicrography system.

External: North American Associate Editor, *Annales Zoologici*; Member, Editorial Board, *Dugesiana*; Judge, Student Competition, Entomological Society of America.

Janet R. Voight

Field Museum: Member, Institutional Animal Care and Use Committee; Featured Scientist, Expeditions@Field Museum; Ad-hoc Member, Science Advisory Council.

External: Chief Scientist R/ V ATLANTIS Voyage 11-03; Member, Student Research Award Committee, American Malacological Society; Member, Student Presentation Judging Committee, American Malacological Society; Ad-hoc Reviewer, National Science Foundation, Biodiversity Surveys and Inventories; Partnerships for Enhancing Expertise in Taxonomy; Population Biology; Natural Environment Research Council of the United Kingdom; *Contributions to Zoology* (Amsterdam), *Journal of Molluscan Studies*.

Harold K. Voris

Field Museum: Member, Scholarship Committee, Zoology Representative.

External: Consulting Editor, *Asian Review on Biodiversity and Environmental Conservation*; Editorial Board Member, *The Natural History Journal of Chulalongkorn University*; Member, Board of Trustees and Member, Science Advisory Committee, Illinois Chapter, The Nature Conservancy.

Mark W. Westneat

Field Museum: Member, Science Advisory Council; Chair, Institutional Animal Care and Use Committee.
External: Member, Nominating Committee, Society of Integrative and Comparative Biology; Member, Hinds Fund Committee, University of Chicago.

David Willard

External: Member, Editorial Board, *The Meadowlark*; Member, Illinois Ornithological Records Committee.

Philip Willink

External: Chair, American Society of Ichthyologists and Herpetologist Stoye Award, General Ichthyology sub-committee; Member, All Catfish Species Inventory; Member, Great Lakes Rapid Response Plan; Member, Chicago Wilderness Aquatic Initiative; Member, Rapid Inventory Methods Development, United States Environmental Protection Agency; Member, Goby/ Asian Carp Round-Up.

FIELD WORK AND RESEARCH TRAVEL, 2003

DEPARTMENT OF ANTHROPOLOGY

L. Antonio Curet

Field Work: Ponce, Puerto Rico.

Research: Ponce, Caguas, and San Juan, Puerto Rico.

Scott Demel

Field Work: Upper Peninsula, MI.

Research: Morton Arboretum, Lisle, IL.

Gary M. Feinman

Field Work: Shandong, China; El Palmillo, Oaxaca, Mexico.

Jonathan Haas

Field Work: Coast of Perú.

Research: Society for American Archaeology, Milwaukee, WI; University of California at Santa Barbara, CA; University of Michigan, Ann Arbor, MI; Bainbridge Island, WA; Washington, DC.

Helen R. Haines

Field Work: El Palmillo, Oaxaca, Mexico.

Robert L. Hall

Field Work: Gavins Point Reservoir, SD.

Research: Archives Nationales, Québec, P.Q., Canada.

Chapurukha Kusimba

Field Work: Czech Republic.

Robert D. Martin

Research: London, UK; Zürich, Switzerland.

Dorren Martin-Ross

Research: Getty Institute Archives, Los Angeles, CA; Cedar Rapids Museum of Art, IA.

Donna J Nash

Field Work: Tiwanaku and Khonko Wankane, Bolivia; Moquegua, Perú; Pativilca, Perú.

Stephen E. Nash

Research: Arizona State Museum, Tucson, AZ.

Linda Nicholas

Field Work: Shandong, China; El Palmillo, Oaxaca, Mexico.

Ruth E. Norton

Research: International Centre for Conservation and Restoration, Rome, Italy.

Joel Palka

Research: Belize, Central America.

Christopher J Philipp

Research: Smithsonian Institution, Washington, DC.

James Phillips

Field Work: Site of Erq-el-Ahmar, West Bank.

Jill N. Seagard

Field Work: El Palmillo, Oaxaca, Mexico.

John Edward Terrell

Research: University of Toronto, Toronto; University of Pennsylvania Museum, Philadelphia, PA.

Anne P. Underhill

Field Work: Rizhao area, Shandong, China.

Research: Three Gorges (Yangzi river) area, China.

Alaka Wali

Field Work: Chicago, Illinois.

Research: New York City; Pando, Bolivia; Perú (Cordillera Azul National Park).

Patrick Ryan Williams

Field Work: Macon, GA; Moquegua, Perú; Tiwanaku and Khonko Wankane, Bolivia.

DEPARTMENT OF BOTANY

Michael O. Dillon

Field Work: Perú.

Eve Emshwiller

Field Work: La Paz and Cochabamba, Bolivia.

John J. Engel

Field Work: New Zealand.

Fernando Fernández

Field Work: Cabo Blanco Absolute Reserve and Monteverde National Park, Costa Rica; Yasuní National Park and Biosphere Reserve, Ecuador.

Research: National Institute of Biodiversity (INBio), Costa Rica.

Sabine Huhndorf

Field Work: Costa Rica.

Patrick R. Leacock

Field Work: Chicago region; Illinois; Indiana.

Robert Lücking

Field Work: Costa Rica; Mexico.

Research: National Institute of Biodiversity (INBio) and University of Costa Rica, Costa Rica; UNAM, Mexico City, Mexico.

Thorsten Lumbsch

Field Work: Central Spain; tropical Queensland, Australia; Nova Scotia, Canada.

Research: Universidad Complutense de Madrid, Spain.

Gregory M. Mueller

Field Work: Guanacaste, Costa Rica; Chicago area; Caucasus Mountains, Russia; southern Illinois; Crimea, Ukraine.

Research: University of Costa Rica, San Jose, Costa Rica; National Institute of Biodiversity (INBio), Santo Domingo, Heredia, Costa Rica; Komarov Botanical Institute, St. Petersburg, Russia.

Christine Niezgoda

Research: New York Botanical Garden, Bronx, NY.

Richard Ree

Research: Cambridge, MA; New Haven, CT.

Imke Schmitt

Field Work: Zaragoza, Spain; Muranska Palnina, Slovakia; Carpathian Mountains, Romania; Nova Scotia, Canada.

Research: Real Jardín Botánico, Madrid, Spain.

Betty Strack

Field Work: Caucasus Mountains, Russia; Crimea, Ukraine; southern Illinois.

Matthew von Konrat

Field Work: New Zealand.

Jun Wen

Field Work: Sierra Nevada, CA; Alabama; Arkansas; western Texas; northern Thailand; northern India; Singapore.

Research: Missouri Botanical Garden, St. Louis, MO.

CENTER FOR CULTURAL UNDERSTANDING AND CHANGE

Janis Bristol Alcorn

Field Work: Cordillera Azul National Park, Perú; Pando, Bolivia.

Hannah Anderson

Field Work: Lake Calumet Region Chicago, IL; Hammond, IN.

Rosa Cabrera

Field Work: Chicago, IL.

Raymond Codrington

Research: Havana, Cuba; London, UK.

Hilary del Campo

Field Work: Lake Calumet region, Chicago, IL; Hammond, IN; Departments of Huanoco, Loreto, San Martin, and Ucayali, Cordillera Azul National Park, Perú.

Research: Department of Loreto, Perú.

Helen Robbins

Field Work: Northern Michigan.

Jennifer Scott

Field Work: Chicago, IL.

Madeleine Tudor

Field Work: Lake Calumet region, Chicago, IL; Hammond, IN.

Alaka Wali

(see Department of Anthropology)

ENVIRONMENTAL CONSERVATION PROGRAMS

William S. Alverson

Field Work: Madre de Dios, Bolivia; Federico Román, Bolivia; Cubitas, Cuba; Pico Mogote, Cuba; Siboney, Cuba; Lake Calumet area, IL.

Daniel Brinkmeier

Field Work: Cordillera Azul National Park, Perú; Cobija, northern Bolivia; Sucumbios, eastern Ecuador, Iquitos, (Ampiyacu) Perú.

Carol J. Fialkowski

Field Work: Cobija, Bolivia.

Robin B. Foster

Field Work: Cordillera Azul, San Martin, Perú; Rio Gueppi, Rio Ampiyacu, Rio Galvez, Loreto, Perú; Machiguenga-Megantoni, Cusco, Perú; Belem forest reserves, Para, Brasil; Rio Yavarí, Rio Yaguas/ Ampiyacu/ Apayacu/ Loreto, Perú; Tarapoto, Chambirillo, Quinillal, Alto Mayo, & Escaleras, San Martin, Perú.

Research: Museo Goeldi, Belem, Brazil; Herbario Amazonas, Iquitos, Perú; Estacion Cientifica “Biodiversidad,” Tarapoto, Perú; Herbario Nacional, Museo de Hist. Nat. & CIMA, Lima, Perú.

Kevin Havener

Field Work: Cobija, Bolivia; Lima, Perú.

Debra K. Moskovits

Field Work: Pando, Bolivia; Yavarí, Ampiyacu, Cordillera Azul, Gueppi, Matsés, and Santuario Machiguenga-Megantoni, Perú; Bermejo, Sinangoe, and Zabalo, Ecuador.

Douglas F. Stotz

Field Work: Lake Calumet, Swallow Cliff, and Hennepin, IL; Loreto, Perú.

Gayle S. Tonkovich

Field Work: Indiana Dunes National Lakeshore, IN.

Anne Umali

Field Work: Cobija, Bolivia.

Corine Vriesendorp

Field Work: Yavarí, Güeppi, Ampiyacu, Apayacu, Yaguas, Medio Putumayo, Matsés Reserve, and Machiguenga-Megantoni, Perú

Research: La Selva Biological Station, Costa Rica.

DEPARTMENT OF GEOLOGY

Lisa Bergwall

Field Work: Bighorn Basin, WY.

Matt Brown

Field Work: Bighorn Basin, WY.

Darin Croft

Field Work: North-central Chile; Wyoming.

John J. Flynn

Fieldwork: Chile (Central Chilean Andes); Madagascar.

Research: Chile (Central Chilean Andes); Madagascar.

Lance Grande

Field Work: Southwestern Wyoming, Fossil Basin.

Research: Science Museum of Minnesota, St. Paul, MN; University of Wyoming, Laramie, WY.

Eric Hilton

Field Work: Wyoming.

Research: University of Massachusetts Amherst, MA; C Museum of Comparative Zoology (Harvard University), Cambridge, MA; Los Angeles County Museum, Los Angeles, CA; University of California Museum of Paleontology, Berkeley, CA; California Academy of Sciences, San Francisco, CA; Royal Tyrrell Museum of Paleontology, Drumheller; University of Alberta, Edmonton; The Natural History Museum, London, UK; National Museum of Natural History, Washington, DC.

Rebekah Hines

Field Work: Northern California.

Research: Michigan State University, East Lansing, MI.

Philip Janney

Field Work: Central Montana.

Research: Ohio State University.

Nate Kley

Research: University of Massachusetts Amherst.

Scott Lidgard

Research: University of California Museum of Paleontology, Berkeley, CA; University of California, Santa Barbara, CA.

Peter J. Makovicky

Field Work: Bighorn Basin, WY; Dinosaur Provincial Park, Canada; Hebei Province, China.

Research: American Museum of Natural History, New York; Institute of Vertebrate Paleontology and Paleoanthropology, Chinese Academy of Science, Beijing, China; Royal Tyrrell Museum of Palaeontology, Drumheller, Alberta, Canada; The Natural History Museum, London, UK; Museum National d'Histoire Naturelle, Paris, France.

Jenny McElwain

Field Work: California; Mazon Creek, IL.

Research: Museum of Paleontology, Berkeley, CA; Department of Geography and Earth Sciences Department, University of Oxford, Oxford, England; Pennsylvania State University, University Park, PA; Purdue University, Lafayette, IN; Ohio State University, Athens, OH.

Olivier Rieppel

Research: Museo Civico di Storia naturale di Milano, Milan, Italy; Paleontological Institute and Museum of the University of Zürich, Switzerland; Geiseltal Museum, Halle/ Saale, Germany; Bayerische Staatssammlung für historische Geologie und Palaeontologie, Munich, Germany.

Akiko Shinya

Field Work: Bighorn Basin, WY.

William F. Simpson

Field Work: Madagascar.

Constance Van Beek

Field Work: Green River Formation, WY.

Ray Vodden

Field Work: Bighorn Basin, WY.

Meenakshi Wadhwa

Research: Washington University, St. Louis, MO.

Peter J Wagner

Research: Humboldt Museum, Berlin, Germany; Natural History Museum, Smithsonian, Washington DC; Museum of Comparative Zoology, Harvard University, Cambridge, MA; New York College of Osteopathic Medicine.

PRITZKER LABORATORY FOR MOLECULAR SYSTEMATICS AND EVOLUTION

Kevin Feldheim

Field Work: Glover Reef, Belize.

DEPARTMENT OF ZOOLOGY

John M. Bates

Research: Makerere University Museum of Natural History, Uganda; Makerere University Institute for Environment and Natural Resources; Kampala, Uganda.

Rüdiger Bieler

Field Work: Florida Keys; Western Australia.

Research: American Museum of Natural History, New York; National Museum of Natural History, Washington, DC; Western Australian Museum, Perth, Australia.

Barry Chernoff

Research: Museu de Zoologia, Universidade de São Paulo; University of Michigan Museum of Zoology; Academy of Natural Sciences of Philadelphia; Conservation International, Washington, DC; Sustainable Aquatic Resources Center, St. Louis, MO; São Pedro and Campinas, Brazil; Great Rivers Confluence Center Board, St. Louis, MO.

Jochen Gerber

Field Work: Illinois, Michigan, and Missouri.

Paul Z. Goldstein

Field Work: Finland.

Research: Smithsonian Institution, Washington, DC; American Museum of Natural History, New York.

Steven M. Goodman

Field Work: Parc National de Bemaraha, Parc National de Midongy-Sud, Réserve Naturelle Intégrale de Namoroka, Réserve Spéciale d'Ankarana, Réserve Spéciale d'Ambohitantely, Itremo, Ambatofinandrahana, Antsampsandrano, Madagascar.

Research: Muséum National d'Histoire Naturelle, Paris, France; National Museum of Natural History, Washington, DC; The Natural History Museum, London, UK; Parc Botanique et Zoologique de Tsimbazaza, Antananarivo, Madagascar; Université d'Antananarivo, Département de Biologie Animale, Antananarivo, Madagascar.

Shannon J Hackett

Research: American Museum of Natural History, New York; University of Missouri, St. Louis.

Lawrence R. Heaney

Field Work: Northern Central Cordillera, Luzon, Philippines; mountains of southern Utah.

Research: Utah Museum of Natural History Salt Lake City, UT.

Robert F. Inger

Field Work: southern Thailand.

Maureen Kearney

Research: University of Texas, Austin.

Jennifer Mui

Field Work: Illinois.

Alfred F. Newton

Field Work: Illinois.

Bruce D. Patterson

Field Work: Tsavo East National Park, Taita and Rukinga Ranches, Kenya.

Research: National Museums of Kenya, Nairobi; Museum of Natural Science, Louisiana State University, Baton Rouge LA; Texas Tech University, Lubbock TX.

Alan Resetar

Field Work: Indiana, Illinois.

Petra Sierwald

Field Work: Republic of Myanmar.

Alexey Solodovnikov

Research: American Museum of Natural History, New York; Snow Entomological Museum, University of Kansas, Lawrence, KS.

William T. Stanley

Field Work: Mahale Mountains, Udzungwa Mountains, Tanzania.

Research: Iringa, Morogoro, Dar es Salaam, Tanzania.

Margaret K. Thayer

Field Work: Illinois.

Janet R. Voight

Field Work: East Pacific Rise; Gulf of Mexico cold seeps and areas on the Mississippi Delta; North Pacific Ocean, Baby Bare Seamount, Endeavour Segment on the Juan de Fuca Ridge.

Harold K. Voris

Field Work: Singapore, central Thailand.

Mark W. Westneat

Field Work: Kauai, Hawaii; Lake Michigan, IL; Calamian Islands, Philippines; Busuanga, Coron and Culion Islands, southern Philippines.

Research: Argonne National Laboratory, Chicago; Smithsonian Institution, Washington DC.

David Willard

Field Work: Madagascar.

Research: Archbold Biological Station, Lake Placid, FL; Minnesota Department of Natural Resources, regional offices.

Philip Willink

Field Work: Chicago Region, Illinois and Michigan.

PUBLIC EDUCATION AND OUTREACH, 2003

(Exhibits, Informal Education, Public Presentations, etc.)

DEPARTMENT OF ANTHROPOLOGY

Elizabeth G. Allaire

Education Programs: Field Museum Members' Nights; Women's Board.

Other: Behind-the-scenes tours for visiting researchers from the Brooklyn Museum of Art, Couriers from the British Museum, Israeli Antiquities Authority, and Instituto Socioambiental, Sao Paulo, Brazil, registrars from the Dallas Museum of Art and The Sixth Floor Museum at Dealey Plaza, Dallas and *Jackie Kennedy* press event attendees.

JP Brown

Education Programs: Field Museum Members' Nights.

Media Development: Magazine interview, *BPM Magazine*; Newspaper interview, *The Guardian*; Radio interview, *BBC World Report*.

Other: Behind-the-scenes tours for Institutional Advancement, Trustees, visiting VIPs, visiting researchers, etc.

L. Antonio Curet

Exhibit Development: Content Specialist, *Americas* project.

Education Programs: Discussant on Black History Month activity; Public Lecture on archaeological research in the ceremonial center of Tibes; Field Museum Members' Nights.

Public Programs: Third grade classes at Heritage Lakes Elementary School, Carol Stream, IL; lecture at the Centro Ceremonial de Tibes, Ponce, Puerto Rico; lecture, Chicago Archaeological Society; lecture, Ball State University Chapter of Sigma Xi.

Scott Demel

Exhibit Development: Updated content of *Trash to Treasure: Salvage Archaeology in The Field Museum's Backyard*; Consulted on the *Americas* project.

Education Programs: Field Museum Adult Education course, *Prehistory of the Lake Michigan Basin*; Field Museum Members' Nights.

Public Presentations: Oasis Lifelong Learning Center, Northbrook, IL.

Media Development: Interviewed with producers and student for television show *Starting Over*.

Other: CRC tour and updates for Academic Affairs CRC Task Force, Collections and Research Committee, and Board of Trustee field trips; visiting researcher assistance.

Gary M. Feinman

Exhibition Development: Content specialist, *Americas* project.

Education Programs: Electronic field trip, emails from the field (China, Mexico); Expeditions archive on Apple's Learning Interchange web site.

Public Presentations: Presentation to Field Museum donors, Phoenix, AZ; Women's Board, The Field Museum.

Media Development: Radio interviews: *Milt Rosenberg*, WGN; National Public Radio, WBEZ. Television interviews: WBBM, Chicago; *Art Beat*, WTTW, Chicago. Newspaper articles/ interviews: *Chicago Sun Times*, *Noticias* (Oaxaca, Mexico), *Rizhao* newspaper (China), *Chicago Tribune*, *Luz Latina*, *Life Times*. Web site articles/ interviews: *The Washington Times*, *Science Daily*, Shandong University website, others in Mexico, Brazil, Germany, Italy, and France. Magazine articles: *Mexicon*, *Dig China*.

Tours and Field Trips: Valley of Oaxaca tour for the Cultural Collections Committee.

Other: Behind-the-scenes tours for Museum members, visiting scholars, visiting VIPS, etc.

Jonathan Haas

Exhibit Development: Lead Curator, *Americas* project; Content Specialist, exhibit on Cochiti figurines, reorganization of Native American materials from Halls 3, 4 and 8, exhibit on Colombian Gold and reinstallation of the *Pawnee Earth Lodge*.

Media Development: Interviews: *Chicago Tribune*, *Chicago Sun Times*, CBC, NPR, *Americas*, *Archaeology*, *Science*, *Daily Herald*, *Los Angeles Daily News*, *Los Angeles Times*. Article in *Somos*, the weekly newsmagazine of *El Comercio*, Perú; Op-ed pieces: *Chicago Tribune*, *Perspectives*, and *Anthropology News*.

Web Projects: Web site on Proyecto Arqueológico Norte Chico; Web page on Andean Archaeology program at University of Illinois at Chicago.

Helen R. Haines

Education Programs: "Introduction to Maya Archaeology," The Field Museum.

Ann Hall

Public Presentations: Public lecture, Chicago Area Conservation Guild.

Hildegard M. Heine

Public Presentations: 2003-2004 Cultural Connections Kick-Off event.

Robert D. Martin

Education Programs: Participant and planning committee, Year of Biodiversity and Conservation; Co-organizer, Leakey Centennial, events and programming.

Public Presentations: Introduction, National Geographic Society Lecture; Introduction, A. Watson Armour, III Spring Symposium;

Media Development: 2 appearances on WGN radio with Milt Rosenberg.

Dorren Martin-Ross

Education Programs: Field Museum Members' Nights.

Donna J. Nash

Exhibits Development: Content Specialist, *Americas* Project.

Education Programs: Field Museum Members' Nights.

Other: Curator, *Women, Pioneers in Prehistory*, a panel installation for *Women Alive! A Legacy of Social Justice*, sponsored by Alive Ltd. and displayed at Archeworks, Chicago.

Stephen E. Nash

Exhibit Development: Content Specialist, *Americas* Project.

Education Programs: Field Museum Members' Nights.

Public Presentations: South Suburban Archaeological Society, Park Forest, IL; Montgomery Place, Chicago, IL; Oasis Continuing Education Program, North Shore Senior Center, Northbrook, IL; Archaeological Institute of America, Central Illinois Chapter, Urbana, IL.

Media Development: Articles/ interviews: *Science*, *LifeTimes*.

Tours and Field Trips: Cahokia and other sites tour with Cultural Collections Committee.

Web Projects: Department of Anthropology/ Museum Loan Network sites.

Linda Nicholas

Education Programs: Digital images for Gary Feinman's emails from the field (China, Mexico).

Media Development: Magazine articles: *Dig China*, *Mexicon*. Newspaper articles: Rizhao newspaper (China), *Noticias* (Oaxaca, Mexico), *Chicago Tribune*, *Luz Latina*. Website articles/ interviews: *The Washington Times*, *Science Daily*, others in Mexico, Brazil, Germany, Italy, France.

Ruth E. Norton

Exhibition Development: Development team, *Regenstein Pacific Laboratory*; Conservation Specialist, *Jackie Kennedy*.

Education Programs: Presentation, Women's Board.

Public Presentations: Public lecture, Chicago Area Conservation Guild.

Media Development: Interview, *Chicago Tribune*; Photo and review, *ICCROM News*.

Other: Presented one-week course for Asia-Europe Museum Network, Malaysia; Conservation laboratory tours, Buchanan Family Foundation, FM Trustees, Cultural Collections Committee, *Jackie Kennedy* press event attendees, visiting VIPs, etc.

James Phillips

Public Presentations: Six public lectures in conjunction with *Eternal Egypt* exhibit.

Jill Plitnikas

Education Programs: Field Museum Members' Nights.

Public Presentations: 2003-2004 Cultural Connections Kick-Off event.

Other: Project outline and tour (Andrea Fischer, Visiting Researcher); Conservation laboratory tours for *Jackie Kennedy* press event attendees, visiting VIPs.

Katherine Ridgway

Other: Behind-the-scenes tour of Anthropology, Conservation Lab for Dr. Ed Maher and his Archaeology Theory and Field Methods class from UIC.

John Edward Terrell

Exhibit Development: Content Specialist, *Regenstein Laboratory*; Information specialist, *Jade Hall*

Education Programs: Field Museum Members' Nights.

Public Presentations: Evening behind-the-scenes lecture (with Chris Philipp), "The Pacific Collections."

Anne P. Underhill

Exhibit Development: Content Specialist, renovation of *Jade Hall*.

Education Programs: Field Museum Members' Nights.

Media Development: Rizhao newspaper, Shandong, China; Article in *Dig* magazine.

Web Projects: Expansion of *Boone Collection* portion of Field Museum web site.

Alaka Wali

Exhibit Development: Content Specialist/ Curatorial Liaison, *Baseball as America*; Community Consultation Specialist, *Americas* project; Content Specialist, *Kranhacorore Panara* and *Jackie Kennedy: The White House Years*.

Education Programs: Field Museum Members' Nights.

Public Presentations: Presentations for the Cultural Connections Programs including 2003 Kick-off event, Perspectives Charter School; Staff Preview Presentation, *Baseball as America*; Press Preview, *Baseball as America*; Presentation on Malvina Hoffman, North Central College; Field Museum Board of Trustees; Invited Panel Participant, Lookingglass Theater, *Race: How Blacks and Whites Think and Feel about the American Obsession*.

Other: Behind-the-scenes tours for Founders Council, Field Ambassadors, Cultural Collections Committee, Collections and Research Committee of the Board of Trustees; presentation, Trustee Field Trips.

Patrick Ryan Williams

Exhibit Development: Curatorial Consultant, *Machu Picchu* exhibit public programming.

Public Presentations: Invited lecture, Cultural Collections Committee Perú Program.

Other: Organizer and Sponsor, Virtual Reality of the Padua Chapel and the Archaeological Landscape of Aksum by M. Forte; South American Collections Tours to University of Chicago Moche class, Northeastern Illinois University Anthropology Club.

DEPARTMENT OF BOTANY

Michael O. Dillon

Exhibit Development: Content review, *Polar Thaw* exhibit.

Education Programs: Field Museum Members' Nights.

Media Development: TV interview, *Global Warming* (WGN News).

Tours and Field trips: Field Museum Development Tour, Palm Beach, FL.

Web Projects: Developer, *Andean Botanical Information System* web site, <www.sacha.org>.

Eve Emshwiller

Education Programs: Field Museum Members' Nights.

Web Projects: Content Advisor, *Nature's Pantry* web sites; Scientific Consultant/ Content Reviewer, *Edible Planet* web sites for Natural Products Initiative of ECP; AccessScience Q&A: How was corn domesticated? In: *AccessScience@McGraw-Hill Encyclopedia of Science & Technology Online*.

Other: Behind-the-scenes tours for Collections and Research committee of the Board of Trustees, First Unitarian Society of Chicago, and researchers and students from Northern Illinois University, the Chicago Botanical Garden, and Albion College, MI.

John J. Engel

Education Programs: Field Museum Members' Nights.

Fernando Fernández

Education Programs: Field Museum Members' Nights.

Patrick R. Leacock

Education Programs: Scientist at the Field program (Bioblitz display); Field Museum Members' Nights; Developer, Educational Media Program (Science in Action for Conservation).

Public Presentations: Invited Lecture, North Park Village Nature Center.

Web Projects: Content Developer, North America Mycological Association voucher program website: <www.fieldmuseum.org/nama/>.

Other: Swallow Cliff Woods field trip for Biodiversity Explorers interns; Behind-the-scenes tour for Biology Group students, University of Wisconsin, Platteville; short course for Morton Arboretum Naturalist Certification program; Fungal Microscopy workshop for McCrone Institute, Chicago, IL.; Illinois Mycological Association field trips.

Robert Lücking

Education Programs: Field Museum Members' Nights.

Web Projects: Developer, *TICOLICHEN* web site.

Gregory M. Mueller

Education Programs: Earth Day presentation.

Media Development: *Milt Rosenberg Show*, WGN radio; *Chicago Issues*, TV show.

Other: Presentation at Summer Donor Event and Board of Trustees Meeting.

Matthew von Konrat

Education Programs: Field Museum Members' Nights.

Other: Behind-the-scenes tour of the Botany Department for the Annual Fund Behind-the-Scenes event.

Jun Wen

Education Programs: Field Museum Members' Nights.

Public Presentations: Oak Park Mann Elementary School; Chinatown Museum Foundation.

Other: Various behind-the-scenes tours for Botany and Institutional Advancement, field trip with Oak Park Elementary School.

CENTER FOR CULTURAL UNDERSTANDING AND CHANGE

Hannah Anderson

Educational Programs: Field Museum Members' Nights.

Web Projects: Developer/ Programmer, CCUC-Lake Calumet web sites; Videographer, Expeditions @ Field Museum.

Public Presentations: Community presentation of Lake Calumet web site.

Media Development: CCUC Content Specialist/ Videographer, *Science In Action for Conservation*, PBS and Web broadcast.

Other: Video Screening, International Council Luncheon, and USDA Forest Service Office of the Chief.

Eduardo Arocho

Other: Cultural Connections program, events with partner museums.

Rosa Cabrera

Exhibit Development: Facilitator, Community participation in the development of the *Americas* project and Qianlong Exhibit.

Education Programs: Cultural Connections program, events with partner museums; Chicago Public Schools Parents Field Trips Series; Presentation, Field Ambassadors; Field Museum Members' Nights.

Public Presentations: Chicago Public Schools groups, *Living Together* exhibit; *The Importance of Knowing One's Culture: The Filipino Culture*, Filipino American Community.

Raymond Codrington

Media Development: Newspaper Interview, *Chicago Sun-Times*; Radio Interview, *The Cliff Kelly Show* (WVON).

Hilary del Campo

Education Programs: Field Museum Members' Nights.

Public Presentations: Presentation, "Resultados Preliminares del Inventario Biológico/ Social Rápido, Ampiyacu, Apayacu y Medio Putumayo" (Preliminary results of the rapid biological/ social inventory Ampiyacu, Apayacu, and Putumayo), Instituto Nacional de Recursos Naturales (INRENA), Lima, Perú; Presentation, "Resultados Preliminares del Inventario Biológico/ Social Rápido, Yavarí" (Preliminary results of the rapid biological/ social inventory, Yavarí), Instituto Nacional de Recursos Naturales (INRENA), Lima, Perú; Presentation, "Resultados Preliminares del Inventario Biológico/ Social Rápido, Yavarí" (Preliminary results of the rapid biological/ social inventory, Yavarí), Universidad Nacional Amazónica del Perú, Iquitos, Perú.

Meganne Lube

Education Programs: Field Museum Members' Nights.

Other: Coordinator, *Hip Hop and Social Change* conference, The Field Museum.

Mario Longoni

Education Programs: Presentation/ Facilitator, Cultural Connections program, events with partner museums; Facilitator, Cultural Connections parent event; Field Museum Members' Nights.

Public Presentations: Presentation, Calumet Government Working Group, City of Chicago Department of the Environment.

Michaela Marchi

Education Programs: Cultural Connections program, events with partner museums; Chicago Public Schools Parents Field Trips Series; Field Museum Members' Nights; Lane Credit/ CPDU course for Chicago Public School (CPS) teachers.

Public Presentations: Invited Speaker, “Ask the Expert,” Niles North High School.

Josh Ostergaard

Education Programs: Field Museum Members’ Nights; Facilitator, Cultural Connections Program Events.

Helen Robbins

Education Programs: Field Museum Members’ Nights.

Public Presentations: Presentation, North Central College.

Media Development: Newspaper Interviews: *Vancouver Sun*; *Globe and Mail*; *Victoria Times Colonist*; *Chicago Tribune*; *Juneau Empire*; Canadian Press News Agency; NRC Handelsblad. Radio Interviews: CBC; *Indigenous Voices Radio*.

Other: Coordinator, Haida Repatriation and celebration.

David Rothschild

Public Presentations: “RIPUI (Asset Mapping)” to Nareuda, Bolpebra, and Buyuyo, Filadelfia, both in Pando, Bolivia.

Jennifer Scott

Exhibit Development: Facilitator, Native American community participation, *Ancient Americas*; Facilitator, Chinese community participation, *Qianlong*; Creator, development guidelines for diverse community involvement in permanent and temporary exhibitions.

Education Programs: Coordinator, Indigenous Teacher Focus Group; Field Museum Members’ Nights.

Public Presentations: Community Presentation, *Ancient Americas* Exhibition; *Qianlong* Exhibition.

Rebecca Severson

Education Programs: Field Museum Members’ Nights.

Madeleine Tudor

Exhibit Development: Content Specialist, *Eviction and Homecoming: The Story of Brazil’s Panará Indians*; *Creating Art, Building Communities: Jblit and the Friends of Community Public Art*; *Urban Expressions: Young Voices, New Technologies*; *Steppin’ Up: Journeys from the SOUL* (off-site, in partnership with Bethel New Life); *Living Together* satellites; Content Advisor, *50 Years of Powwow in Chicago*.

Education Programs: Field Museum Members’ Nights.

Public Presentations: Community presentation, Lake Calumet web site.

Web Projects: Developer, CCUC and Lake Calumet web sites.

Media Development: Content Specialist, *Science in Action for Conservation* PBS and web broadcast.

Alaka Wali

(see Department of Anthropology)

Ivan Watkins

Education Programs: Field Museum Members’ Nights.

Web Projects: Revisions, CCUC Urban Research and Intern portion of web Site.

Other: Community tour, Ford Foundation Grant Officers.

ENVIRONMENTAL CONSERVATION PROGRAMS

William S. Alverson

Tours and Field Trips: “Cuba’s Cultural and Biological Diversity, a Field Museum Tour,” Cuba.

Daniel Brinkmeier

Education Programs: Presentation, Field Museum Members' Nights; Field Museum Education Department Museology Class.

Public Presentations: Presentation, The Amazonian University of Pando, Cobija, Bolivia; EXPOPANDO public fair exhibit, Cobija, Bolivia; Presentations on Cofan (Ecuador) conservation involvement and traditional resource use (with Hugo Lucitante and Mike Cepek of the University of Chicago).

Media Development: Radio interview, U.S. Embassy Public Affairs Section, La Paz, Bolivia; Newspaper interview, *Expresión Amazonica*, Cobija, Bolivia.

Web Projects: Content Advisor, *Project BEATRA* (Congo) website.

Other: Behind-the-scenes tours for visiting international visitors, hosting for AAM-IPAM exchange participants from American Museum of Natural History and Museo Nacional de Historia Natural, La Paz, Bolivia; special presentation to Congressman Mark Kirk (R), Illinois; Illustrated popular booklets: *Los Valores para la Conservación* (Perú), *Propuesta de Creación de una Zona Reservada Apayacu, Ampiyacu, y Medio Putumayo, Perú* (Iquitos, Perú), *Relavamiento de Información Sobre Potencialidades y Usos Integrales* (Bolivia); Illustrations on Beni (Bolivian Amazon) archaeology included in *Visitors' Guide to Bolivia*.

Carol J Fialkowski

Tours and Field Trips: Trip Leader, Field Museum Womens' Board Field trip to Lake Calumet.

Media Development: Television interviews: *Ask Tom Skilling*, WGN TV, Chicago; *Evening News*, ABC TV, Chicago.

Robin B. Foster

Education Programs: Presentation, Women's Board Field Dreams; Field Museum Members' Nights.

Public Presentations: Rapid Biological Inventory results presentations for Yavari and Ampiyacu trips, Iquitos and Lima, Perú.

Web Projects: Further development of the 'Tropical Plant Guides' web site.

Other: Production of 19 rapid color guides to plants in conservation areas of: Bolivia, Brazil, Cuba, Ecuador, & Perú; development of botanical training trails, Chambirillo Station, Cordillera Azul, and Biodiversidad Station, Reserva Escaleras, San Martin, Perú; tours of Rapid Reference Collection for: VIPs, school groups, dozens of visiting scientists.

Kevin Havener

Education Programs: Field Museum Members' Nights; "Meet the Scientists" at The Field Museum.

Thomas S. Schulenberg

Education Programs: Field Museum Members' Nights.

Douglas F. Stotz

Education Programs: "Meet the Scientists" at the Field Museum; Field Museum Members' Nights.

Public Presentations: Ryerson Nature Study and Camera Club; Wetlands Initiative—Art Nolan tower dedication; Lake Calumet BioBlitz panel.

Tours and Field Trips: Women's Board—Lake Calumet field trip.

Media Development: Newspaper interviews: *Chicago Sun-Times*; *Chicago Tribune*; *Daily Southtown*; *Chicago Reader*; *State Journal-Register* (Springfield); *Post-Tribune* (Merrillville, IN); *Journal-Star* (Peoria); Magazine interviews: *Science*; *Chicago Wilderness*; Television interviews: *Ask Tom Skilling*, WGN news; *Chicago Tonight*, WTTW, Chicago; Radio interviews: WBBM radio; Michigan Public Radio – *Todd Mundt Show*.

Web Projects: Profiled on Year of Biodiversity and Conservation Website

Other: West Nile Virus Roundtable for Senator Durbin; Biodiversity Explorers field trip to Lake Calumet; Environmental funders' (foundations) Lake Calumet tour and presentation; presentation to Knight-Wallace Fellows for Journalism from University of Michigan.

Gayle S. Tonkovich

Web Projects: Project Coordinator, *vPlants: The Chicago Regional Virtual Herbarium*.

Other: Presentation of vPlants website to Botany Department; provided technical specifications & "tours" of the operations of the vPlants project to visitors from other herbaria and museums.

Anne Umali

Education Programs: Bolivian educator and university student environmental education capacity-building workshops.

Other: Preliminary production of indicator species color guides and school conservation curriculum for Cobija, Pando.

Corine Vriesendorp

Education Programs: Field Museum Members' Nights.

Web Projects: Developer, Virtual Rapid Reference Collection web site.

DEPARTMENT OF GEOLOGY

Lorie Barber

Education Programs: Field Museum Members' Nights.

Lisa Bergwall

Education Programs: Field Museum Members' Nights.

Other: Various behind-the-scenes tours, part of preparation and consultation team for Burpee Museum of Rockford's "Jane" project.

John R. Bolt

Exhibit Development: Geology Department Liaison, *Life Over Time*; Content Advisor, *Life Over Time* revitalization.

Web Projects: Developer, *Preserve* project web site.

Kimberly Butzin

Education Programs: Field Museum Members' Nights.

Darin Croft

Exhibit Development: Scientific Consultant, *Life Over Time* Revitalization Committee.

Public Presentations: Anchorage Museum, West Chicago Public Library.

Marlene Hill Donnelly

Education Programs: Field Museum Members' Nights.

Public Presentations: Instructor, "Botanical Illustration," Botanical Arts Certificate Program, Morton Arboretum; "Painting Fungi," Morton Arboretum; Instructor, "Field Sketching," Chicago Botanic Garden; Instructor, "Field Sketching and Photography," Mettawa Manor; panel presenter for Guild of Natural Science Illustrators, "Educating the Young Scientific Illustrator."

John J. Flynn

Exhibit Development: Content Specialist, *Life Over Time* revisions.

Education Programs: Field Museum Members' Nights.

Media Development: Interviews: *Chicago Tribune*, *Chicago Sun-Times*, CLTV.

Other: Keynote speaker for FM Founders Council Annual Meeting; Various collections tours and related events; numerous other Institutional Advancement/ Development activities.

Charlene Fricker

Education Programs: Field Museum Members' Nights.

Exhibit Development: Content Advisor, *Life Over Time* revitalization.

Other: behind-the-scenes tours for university students and professors, and interested public

Lance Grande

Exhibit Development: Content Advisor, *Life Over Time* revitalization.

Education Programs: Field Museum Members' Nights.

Media Development: Part of film series by Audio Visual Consultants Inc. (St. Louis) on evolution and paleontology to be marketed in 2004.

Web Projects: Interactive web site for Field Museum Expeditions program on paleontological fieldwork in Fossil Basin, Wyoming.

Other: Various collection tours for Development.

Lori Grove

Education Programs: Field Museum Members' Nights.

Public Presentations: "The Big Draw - A Two Day Art Extravaganza," at The Field Museum.

Eric Hilton

Education Programs: Field Museum Members' Nights.

Web Projects: Content development, *expeditions@fieldmuseum* web site.

Rebekah Hines

Education Programs: Field Museum Members' Nights.

Tours and Field Trips: Mazon Creek Field Trip for Mid-continent Paleobotanical Colloquium.

Web Projects: *Mazon Creek Flora* and *Paleobotany Database* web sites.

Other: Behind-the-scenes tours for university students, professors, and interested public; organizer for (MPC) 2003.

Philip E. Janney

Public Presentation: Public lecture for Field Museum volunteers.

Education Programs: "Volcanoes: From Magma to Lava" Field Museum Family Program.

Nate Kley

Education Programs: Field Museum Members' Nights.

Media Development: Interviews, *National Geographic*; *In The Field*.

Other: Contributing Author, *Digital Morphology* (DigiMorph.org); Scientific Consultant, *Natural History New Zealand* (NHNZ).

Scott Lidgard

Exhibit Development: Content Specialist, *Paleozoic Hall* and *Life Over Time*.

Education Programs: Field Museum Members' Nights.

Media Development: Interviews: *Chicago Reader*.

Other: Various behind-the-scenes tours.

Pete Makovicky

Exhibit Development: Content Advisor, *Life Over Time* revitalization; Content Specialist for *Dinosaurs Alive* exhibit (FM is a partner); Content advice for theropod exhibit planned by the National Science Museum in Tokyo (includes "Sue").

Education Programs: Field Museum Members' Nights.

Public Presentation: Presentation, Friends of Geology dinner.

Media Development: Interviews and photo-ops, BBC electronic media; *National Geographic*, *Crain's Chicago Business*, *Chicago Tribune*, etc.

Other: Various behind-the-scenes tours, fossil identification for public, participation in Institutional Advancement events such as Founders' Council.

Jenny McElwain

Exhibit Development: Content Advisor, *Life Over Time* revitalization and Year of Biodiversity and Conservation Programs.

Education Programs: Kick-off lecture, Year of Biodiversity and Conservation.

Media Development: Poster campaign for Year of Biodiversity and Conservation.

Other: Behind-the-scenes tours of paleobotanical laboratories to U.S. Secretary and Undersecretary for the Environment, Moore Foundation delegates, Comer Foundation delegates and various other school and university parties; numerous other Institutional Advancement activities; Lecture to Lake Forest High School.

Clarita Nuñez

Education Programs: Field Museum Members' Nights.

Olivier Rieppel

Exhibit Development: Content Advisor, *Life Over Time* revitalization; Advisor, *SUE* exhibit in Japan.

Education Programs: Field Museum Members' Nights.

Public Presentations: A. Watson Armour III Spring Systematics Symposium; Friends of the Library; Park Forest Meteorite Presentation; Presentation of Geology Department at Board of Trustees Meeting; Presentation of Geology Department at International Council Meeting.

Media Development: Content specialist for Marine Monsters Project of National Geographic Society.

Akiko Shinya

Education Programs: Field Museum Members' Nights.

Other: Various behind-the-scenes tours.

William F. Simpson

Exhibit Development: Content Advisor, *Life Over Time* revitalization.

Education Programs: Field Museum Members' Nights.

Public Presentations: Lecturer for City of Chicago's "Winter Delights" program.

Media Development: Interview, Japanese Public Television.

Other: Consultant, Burpee Museum of Natural History, on their new "Jane" dinosaur project; Lecture and tour for winner of Red Apple Morley Student Enrichment Award; various behind-the-scenes tours.

Amy Singer

Exhibit Development: Content Advisor, *Life Over Time* revitalization.

Education Programs: Field Museum Members' Nights.

Other: Various behind-the-scenes tours.

Constance Van Beek

Education Programs: Field Museum Members' Nights; fossil preparation workshop for Educational Overnights.

Other: Various behind-the-scenes tours.

Meenakshi Wadhwa

Exhibit Development: Content Specialist, *Einstein*; Content Specialist, *Life Over Time* revitalization.

Education Programs: Field Museum Members' Nights.

Media Development: Articles/ interviews: *Chicago Sun Times*; *Chicago Tribune*; *Lafayette (Ind.) Journal and Courier*; *Joliet Herald News*; *Munster (Ind.) Times*; *The Times of Northwest Indiana*; *The Star*; *WGN-TV News at 9*; *WGN-Radio Spike Odell Show*; *WBBM-Radio Steve Miller Show*; *NBC 5 News*; online feature article in *National Geographic Today*; *Seeking Solutions with Suzanne*, Comcast and CNN.

Tours and Field Trips: Tours of the Isotope Geochemistry Laboratory to members of the Board of Trustees, Field Associates.

PRITZKER LABORATORY FOR MOLECULAR SYSTEMATICS AND EVOLUTION

Kevin Feldheim

Education Programs: Year of Biodiversity and Conservation, Scientist on the Floor.

Other: Various behind-the-scenes tours.

DEPARTMENT OF ZOOLOGY

John M. Bates

Exhibit Development: Content Advisor, *Madagascar photos by Harald Schütz*; Content Specialist, *Year of Biodiversity and Conservation Kiosk*; Content Advisor, *Arctic National Wildlife Refuge photos*; Content Advisor, *Mendel*.

Education Programs: Field Museum Members' Nights.

Public Presentations: Presentation, Year of Biodiversity and Conservation Africa Roundtable; Introduction, National Geographic Public Speaker Series.

Media Development: Newspaper interviews (3), *Chicago Tribune*; Television interview, NBC News (channel 5).

Web projects: Content Specialist, *Collaborations in Congo* web site; Content Specialist, *Year of Biodiversity and Conservation* web site.

Other: Tours of collections: African Wildlife Federation, Lake Forest College, Director of Smithsonian Institution; Discussions with visiting delegation from the Swedish National Museum and Nature Conservancy scientists.

Rüdiger Bieler

Education Programs: Year of Biodiversity and Conservation Team.

Media Development: Interviews and media involvement in newspaper, magazine and TV coverage of *Pearls* exhibit; various newspaper articles on Florida and Australian biodiversity research (e.g., live broadcast with Australia's ABC radio; *Natural History* and *In the Field* articles, BBC Natural History Unit).

Web Projects: Development of PEET (peet.fmnh.org) web site; Content specialist for *Pearls* web site.

Other: Various behind-the-scenes tours for visiting VIPs, new Trustees, etc.

James Boone

Education Programs: Field Museum Members' Nights.

Other: Various behind the scenes collections tours.

Jochen Gerber

Exhibit Development: Content Specialist for planned marine invertebrates display.

Education Programs: Field Museum Members' Nights.

Other: Various behind the scenes collections tours.

Paul Z. Goldstein

Education Programs: Field Museum Members' Nights.

Other: Various behind-the-scenes tours

Steven M. Goodman

Exhibit Development: Content Specialist, *The Natural Wonders of Madagascar*.

Public Presentations: Public Lecture on *The Natural Wonders of Madagascar* in association with the Year of Biodiversity and Conservation.

Media Development: Newspaper interviews: *Chicago Tribune*, *International Herald Tribune*, *The Reader*; radio interviews: *National Public Radio*, several Malagasy radio stations; television interviews: CNN, *Malagasy Broadcasting Company*.

Shannon J Hackett

Exhibit Development: Content Specialist, *Bringing the Pritzker Laboratory to the Public* and *Year of Biodiversity and Conservation Kiosk*.

Education Programs: Field Museum Members' Nights, Field Museum In the Lab Workshop for Teachers.

Public Presentations: Chiaravalle Montessori School.

Media Development: Radio Interview, *Extension 720* radio show with Milt Rosenberg.

Web Projects: Content Specialist, *Pritzker Lab* web site, and *Early Bird Tree of Life* web site.

Other: Behind-the-scenes tours for Institutional Advancement, new Trustees, visiting VIPs, etc.; Trustee Field Trips.

Lawrence R. Heaney

Education Programs: Field Museum Members' Nights.

Public Presentations: Lecture for Year of Biodiversity and Conservation; Lecture, Dawes Elementary School, Evanston.

Media Development: National Geographic, articles on biodiversity in the tropics.

Other: Behind-the-scenes tours of research and collection areas for Institutional Advancement, President's Office, and Field Museum Trustees.

Mary Hennen

Education Programs: Field Museum Members' Nights.

Public Presentations: Environmental Protection Agency; DuPage County Forest Preserves; St. Mary's College; Evanston North Shore Bird Club; Klehm Arboretum; Morton Arboretum.

Janeen Jones

Education Programs: Field Museum Members' Nights.

Maureen Kearney

Education Programs: Field Museum Members' Nights; Behind-the-scenes, Reptile Division, family education program.

James B. Ladonski

Education Programs: Field Museum Members' Nights, Scientists at the Field, Take Our Children to Work Day.

Public Presentations: Indiana Dunes National Lakeshore; Kalamazoo Nature Center; Porter County (Indiana) Parks and Recreation Department; St. Joseph County (Indiana) Parks.

Media Development: Newspaper interviews, *South Bend Tribune*, *(Northwest Indiana) Post-Tribune*.

Tours and field trips: Behind-the-scenes collection tours for college classes and other groups.

Other: Science Advisor, Gar Anglers' Sporting Society.

James Louderman

Education Programs: Field Museum Members' Nights.

Other: Various behind the scenes collections tours.

Alfred F. Newton

Education Programs: Field Museum Members' Nights.

Bruce D. Patterson

Exhibit Development: Label copy, regarding condition of various mounts on exhibit; Reviewer, elephant repair plans; Consultant, Royal Museum of Scotland exhibit *Cats*.

Education programs: Docent training, *Lions of Tsavo*; Field Museum Members' Nights.
Public Presentations: Adventurers' Club, Chicago IL; Earthwatch Institute, Cambridge MA.
Media development: *The Jeff Corwin Experience* (Animal Planet); interview with Vicki Valentine (NPR) on lion teeth; *Chicago Sun-Times*; *International Wildlife*; *New Scientist*; *Toronto Globe and Mail*; *Focus* (London).
Web Projects: <www.fieldmuseum.org/manu>; <www.earthwatch.org/expeditions/patterson>; <www.natureserve.org/getData/mammalMaps>; virtual articles appearing on *New Scientist* and *Globe and Mail* web sites.
Tours and field trips: Tour Leader, four Earthwatch teams.

Martin D. Prydzia

Education Programs: Field Museum Members' Nights.

Alan Resetar

Exhibit Development: Advisor, *Hall of Reptiles* reconfiguration.

Education Programs: Field Museum Members' Nights.

Other: Various behind-the-scenes collections tours.

Mary Anne Rogers

Education Programs: Field Museum Members' Nights.

Tours and field trips: Classic Tanzania Safari.

Other: Various behind-the-scenes collections tours.

William T. Stanley

Exhibit Development: Advisor, Stanley Field Hall elephant restoration.

Education Programs: Field Museum Members' Nights; Teacher Training for National Geographic program.

Public Presentations: Introduction to National Geographic Lecture; Introduction for the Parker-Gentry Award; African Biodiversity Roundtable; Africa Council; Lake Forest High School.

Tours and field trips: Field Museum Tour to Serengeti.

Web Projects: Developer, *Tanzania Mammal Key*.

Other: Developer and Producer, Tanzania small mammal educational posters; Various behind-the-scenes collections tours.

Kevin Swagel

Education Programs: Field Museum Members' Nights.

Other: Various behind-the-scenes collections tours.

Margaret K. Thayer

Education Programs: Field Museum Members' Nights.

Media Development: Newspaper interviews: *Chicago Tribune*, *Regional News* (Palos, Orland, Worth townships).

Web Projects: Content Contributor, *Year of Biodiversity and Conservation* web site; Main developer, PEET project *Austral Staphylinidae* web site.

Other: Various behind-the-scenes collections tours.

Janet R. Voight

Education Programs: Field Museum Members' Nights.

Media Development: Newspaper interview, *Chicago Tribune*; Radio interview, Canadian Broadcasting Company, *Quirks & Quarks*; Journal Interview: *Nature*.

Web Projects: *Expeditions at Field Museum*.

Other: Various behind-the-scenes collections tours; Wheaton College Tour.

Mark W. Westneat

Education Programs: Field Museum Members' Nights.

Public Presentations: Women's Board Field Dreams Dinner.

Media Development: Newspapers: *Washington Post*, *Chicago Tribune*, *Chicago Sun-Times*, *Boston Globe*, *Seattle Times*, and many others. Other articles: *Nature*, *Discover*, *National Geographic Kids*, and others;
Radio: NPR, CBC; Discovery Channel.

Web Projects: Research web site; Content for Pritzker Lab site.

Other: Various behind-the-scenes collections tours.

David Willard

Education Programs: "Museology," "Scientist in the Field," Field Museum Members' Nights.

Public Presentations: Will County Audubon Society; Chicago Ornithological Society.

Other: Various behind-the-scenes collections tours.

Philip Willink

Exhibit Development: Advisor, *The Year of Biodiversity and Conservation*.

Education Programs: Tours of *What Is An Animal?* and *Nature Walk* exhibits; Field Museum Members' Nights.

Public Presentation: Presentation, Club Shedd program at Shedd Aquarium.

Media Development: Newspaper interview, *The Times – Northwest Indiana*.

Other: Various behind-the-scenes collections tours.

HIGHER EDUCATION, 2003

(College/ University Teaching, Graduate Advising, Internships, etc.)

DEPARTMENT OF ANTHROPOLOGY

Elizabeth G. Allaire

Undergraduate Interns: Jaime Darnton, Yale University; Stephen Weidlich, DePaul University; Helena Stenberg, University of Chicago.

Trainees: Teresa Smith, Phoenix, AZ.

JP Brown

Undergraduate Interns: Elizabeth Holsapple, Loyola University Chicago.

L. Antonio Curet

Graduate Students Advised: Mark Gross and Chris Davis, University of Illinois at Chicago; Virginia Rivera, Carlos Pérez, Elvis Babilonia, and Luis Rodríguez Gracia, Centro de Estudios Avanzados de Puerto Rico y el Caribe; Louise Elinoff, Stanford University; Madeliz Gutierrez, Universidad Autonoma Nacional de Mexico.

Undergraduate Intern: Nicole Roth, Northern Illinois University.

Invited/ guest lectures: Lecture, graduate seminar, Department of Anthropology, University of Illinois at Chicago.

Scott Demel

Courses: "Introduction to Archaeology," DePaul University.

Other: Tour of collections for Anthropology students from Oakton Community College; Adjunct faculty and Co-Director, Historical Archaeology Field School, DePaul University.

Gary M. Feinman

Graduate Students Advised: Laura Waterbury, University of Illinois-Chicago (chair); Jennifer Clark, University of Illinois at Chicago (chair); Andrew Wyatt, University of Illinois at Chicago (committee member).

Undergraduate Interns: Alexa Tetzloff, University of Chicago; Jeremy Sherman, Iowa State University.

Courses: "The Archaeology of Everyday Life: From Oaxaca (Mexico) to Shandong (China)," Universidad Nacional Autónoma de México, Mexico City; "The Rise of Early Civilizations," Shandong University, Jinan, China.

Other: Graduate Studies Committee, Anthropology, University of Illinois at Chicago.

Jonathan Haas

Graduate Students Advised: Dan Corkill, Sofia Chacaltana, Rebecca Osborn, Ken Batai, Nam Kim, University of Illinois at Chicago; Margaret Enrile, University of Illinois at Urbana; Teresa Chun, Northern Illinois University; Mario Advincula, San Marcos University, Lima, Perú.

Undergraduate Interns: Kasia Szremski, University of Chicago.

Invited/ guest lectures: Lectures on Proyecto Arqueológico Norte Chico given to Department of Anthropology at the University of California, Santa Barbara and to the Department of Anthropology at the University of Michigan.

John Maniatis

Undergraduate Interns: Allison English, University of Illinois at Champaign-Urbana; Elizabeth DiVincenzo, Northwestern University; Sabra Thorner, Roosevelt University.

Robert D. Martin

Graduate Students Advised: Lara Modolo, University of Zürich.

Courses: “Seminar in Primate Evolution” (advanced course), Department of Anthropology, University of Illinois at Chicago.

Other: Behind-the-scenes tour with two Deans from Northwestern University.

Dorren Martin-Ross

Graduate Student Intern: Lynne Schieb, University of Illinois at Champaign-Urbana.

Donna J Nash

Graduate Students Advised: Robin Coleman, Northwestern University; Kirk Costion, University of Pittsburgh; Lauren Schwartz, University of California, Riverside; Ben Vining, Boston University.

Invited/ Guest Lecture: Lecture, University of Illinois at Chicago; “Andean Archaeology” class at the University of Chicago.

Ruth E. Norton

Courses: “Conservation of Ethnographic and Archaeological Conservation,” (six Graduate Student Seminars), State University of New York College at Buffalo.

Jill Plitnikas

Graduate Intern: Karl Knauer, Winterthur/ University of Delaware.

John Edward Terrell

Undergraduate Interns: Allison English, University of Illinois at Urbana; Sabra Thorner, Fulbright Fellow, Melbourne.

Invited/ guest lectures: Guest lecturer, New Guinea archaeology, Lawrence University, Appleton, WI.

Anne P. Underhill

Graduate Students Advised: Geoffrey Cunnam, Yale University; Debra Green, University of Illinois at Chicago.

Undergraduate Interns: Stephen Weidlich, DePaul University, Helena Stenberg, University of Chicago.

Courses: “Archaeology of China,” for Northwestern University, Department of Anthropology.

Alaka Wali

Postdoctoral Scientists: Raymond Codrington, Helen Robbins.

Graduate Students Advised: Sharon Penniston, Patricia Williams, University of Illinois at Chicago; Deanna Schoss, DePaul University; Joanna Brown, University of Chicago.

Undergraduate Interns: (see Center for Cultural Understanding and Change).

Trainees: Miguel Macedo, CIMA, Perú; Monica Herbas, Bolivia.

Courses: “Introduction to Urban Field Research,” and “Advanced Urban Field Research,” Northwestern University.

Patrick Ryan Williams

Graduate Students Advised: Veronique Belisle, Universite de Montreal; Kirk Costion, University of Pittsburgh; Scott Palumbo, University of Florida; Kenneth Sims, University of Michigan; Ben Vining, Boston University; Robin Coleman, Alisha Hudson, and Brian Wilson, Northwestern University.

Graduate Interns: Kirk Costion, University of Pittsburgh; Ben Vining, Boston University.

Courses: “Archaeological Science,” University of Illinois at Chicago.

DEPARTMENT OF BOTANY

William C. Burger

Graduate Students Advised: Mark K. Johnston, University of Illinois at Chicago.

Michael O. Dillon

Invited/ guest lectures: “La familia Asteraceae en Perú,” undergraduate, Universidad Nacional de San Agustín, Arequipa, Perú.

Eve Emshwiller

Courses: “Contemporary Ethnobotany: Plants and Cultures” (undergraduate level), College Botany Program of the Associated Colleges of the Chicago Area (ACCA).

Fernando Fernández

Trainees: Loengrin Umaña, INBio, Costa Rica.

Sabine Huhndorf

Graduate Students Advised: Andrew Miller, George Mugambi, University of Illinois at Chicago.

Courses: “Introduction to Ecology and Evolution I.” (graduate level), University of Illinois at Chicago.

Patrick R. Leacock

Undergraduate Interns: Roberta Hannibal, Bethany Neumann, Deborah Stringer, University of Chicago; Wyatt Gaswick, University of Illinois at Chicago; Dwyer Kilcollen, Washington University, St. Louis, MO.

Robert Lücking

Graduate Students Advised: Rosa Emilia Pérez Pérez, Alejandrina Bárcenas Peña, Universidad de Morelos, Mexico.

Thorsten Lumbsch

Postdoctoral Scientists: Ruth del Prado, Imke Schmitt.

Graduate Students Advised: Armin Mangold and Nora Wirtz, University of Essen, Germany; Oscar Blanco, Universidad Complutense, Madrid, Spain.

Courses: Reading group on phylogenetic methods, University of Illinois at Chicago; “Molecular Systematics”, Universidad Complutense, Madrid, Spain.

Invited/ guest lectures: Facultad de Farmacia, Universidad Complutense, Madrid, Spain; University of Essen, Germany; University of Illinois at Chicago.

Gregory M. Mueller

Postdoctoral Scientists: Patrick Leacock.

Graduate Students Advised: Andrew Miller, George Mugambe, University of Illinois at Chicago; Jutta Buschbom, Kelly Gravier, Matthew Kierle, University of Chicago; Laura Guzmán, UNAM, Mexico; Todd Osdmondson, University of Montana.

Undergraduate Interns: Roberta Hannibal, Bethany Neumann, Deborah Stringer, University of Chicago; Dwyer Kilcollen, Washington University, St. Louis, MO.

Trainees: Isaac López Núñez, Enia Navarro Valverde, Eida Fletes Almengor, María Xinia Osés Leitón, and Milton R. Umaña Salazar, all INBio, Costa Rica; 2 students/ young faculty each from Guatemala, El Salvador, Honduras, Nicaragua, Costa Rica, and Panama as part of our continued program to build mycological capacity in Central America.

Courses: “Mutualisms and Symbiosis,” University of Chicago; “Methods for Sampling and Studying Macrofungi,” 1-week long course for Central American graduate students and young faculty, Guanacaste, Costa Rica.

Invited/ guest lectures: Lecture in “Scientific Integrity and Ethical Conduct of Research” course for first year BSD graduate students, University of Chicago.

Seminars, symposia, etc.: University of Illinois, Champaign.

Jun Wen

Postdoctoral Scientists: Tingshuang Yi, Stefanie Ickert-Bond.

Courses: “Research Introduction to Graduate Students,” University of Chicago.

Trainees: Zelong Nie, Kunming Institute of Botany, China; Elizabeth Widjaja, Bogor Herbarium, Indonesia; Hieu Q. Nguyen, University of Missouri, St. Louis.

CENTER FOR CULTURAL UNDERSTANDING AND CHANGE

Rosa Cabrera

Courses: “Traditions of Transition: Understanding Rites of Passage,” Lane Credit, Continuing Professional Development Unit (CPDU).

Invited/ guest lectures: Invited Lecturer for “Professional Linkage Seminar: Museums and the Public,” Northwestern University.

Raymond Codrington

Courses: “Introduction to Urban Field Research,” and “Advanced Urban Field Research,” Northwestern University.

Invited/ guest lectures: Invited Lecturer, “Blackness Deferred: Critical Perspectives on Multiculturalism,” City University of New York; “Black British Culture: Global Black Studies,” State University of New York Purchase.

Mario Longoni

Courses: “Social Science 260: Cultural Anthropology,” Robert Morris College.

Madeleine Tudor

Courses: “Professional Linkage Seminar: Museums and the Public,” Northwestern University.

Alaka Wali

(see Department of Anthropology)

Ivan Watkins

Invited/ guest lectures: Invited Lecturer, “Black Indians” (graduate course), University of Chicago.

Undergraduate Interns: Yasmeen Basheeruddin and Nishaant Choksi, University of Chicago; Brady Gordon, Stanford University; Ericka Menchen, Loyola University-Chicago; Kristen Pappas, Illinois Wesleyan University; Deirdre Pfeiffer and Kimberly Schultz, Northwestern University; Andrea Rincon, University of Illinois at Chicago.

ENVIRONMENTAL CONSERVATION PROGRAMS

Daniel Brinkmeier

Informal: Grace Servat, University of Missouri-St. Louis, visiting student/ researcher from Perú; Nina Ingle, Zoology Dept., Field Museum/ Philippines.

Trainees: Kinley Tsering, Sangay Dorji.

Undergraduate Interns: Nathan Strait and Stephanie Shultze, School of the Art Institute of Chicago.

Carol J Fialkowski

Course: “Creating Environmental Exhibits,” Northeastern Illinois University.

Robin B. Foster

Graduate Students Advised: Maria Luisa Jorge, Tatiana Lobo, Gabriela Nuñez, and Christina Martinez, University of Illinois at Chicago; Laura Torres, Northeastern Illinois University. *Informal:* Paul Fine, University of Utah; Lis Nevis and Surangi Punyasena, University of Chicago.

Undergraduate Interns: Sarah Boutwell, and Angela Marion, University of Chicago.

Trainees: Maritza Rodriguez, Arequipa, Perú. *Informal:* Elizabeth Widjaja, Herbarium Bogoriense, Indonesia.
Courses: Field Museum Ecology/ Botany Field Training Module, Parque Nacional Cordillera Azul, San Martin, Perú.
Other: Exhibition of Tools for Conservation at: Brazilian Botanical Congress, Belem, Brazil; Ecuadorian Botanical Congress, Loja, Ecuador.

Thomas S. Schulenberg

Graduate Students Advised: Dan Davison, University of Chicago.
Undergraduate Interns: Patty Ruback, Northern Illinois University.
Invited/ guest lectures: Invited lecture on “Environmental and Conservation Programs” to class in Tropical Ecology and Conservation, Lake Forest College.

Douglas F. Stotz

Graduate Students Advised: Norbert Cordeiro, Jose Tello, University of Illinois at Chicago; Alexander Dehgan, Christina Bentz, University of Chicago; James Armacost, Illinois State University.

DEPARTMENT OF GEOLOGY

John R. Bolt

Graduate Student Advised: Daniel Snyder, University of Iowa.

Darin Croft

Courses: Course Director, “Human Morphology I” and “Human Morphology II,” University of Chicago/ Pritzker School of Medicine (graduate level).
Interns: Katy Adank, DePauw University.

John J. Flynn

Postdoctoral Scientist: Darin Croft.
Graduate Students Advised: Karen Sears, Gina Wesley, Jonathan Marcot, Anjali Goswami, John Finarelli, Christian Kammerer, University of Chicago; Lovasoa Ranivoharimanana, University of Antananarivo (Madagascar); Aaron Hogue, Northwestern University; Mahesh Gurung, University of Illinois at Chicago; Informal advising for 1 PhD. and 1 master’s student, Universidad de Chile.
Undergraduate Student Advised: María Angélica Torres, Universidad Católica (Chile).
Courses: “Mammal Evolution” (undergraduate/ graduate course); “Grants and Professional Issues” (graduate course); reading course on rates of evolution for John Finarelli; workshop on “Science in Society” for “Scientific Integrity and Ethical Conduct of Research” (graduate course), all University of Chicago.

Lance Grande

Postdoctoral Scientist: Eric Hilton.
Graduate Student Advised: Rebecca Thomas, University of Chicago.
Undergraduate Interns: Jim Brophy, Loyola University; Jay Gidwitz, The School of Representational Art; (Advisor to) Christian Kammerer, University of Chicago.

Eric Hilton

Graduate Student Advised: Amanda Fabiano, Loyola University, Chicago.

Philip E. Janney

Undergraduate Intern: Lev Spivak-Birndorf, University of Chicago.

Scott Lidgard

Graduate Students Advised: Lee Hsiang Liow, Virginia Miller, Surangi Punyasena, Rebecca Rowe, University of Chicago; Miroslav Medved, University of Illinois at Chicago; Catherine Jamet, University of Southern California.

Peter J Makovicky

Graduate Students Advised: Bonnie Gulas, Rudyard Sadleir, University of Chicago.

Trainees: Stuart Fox, University of Chicago.

Courses: "Evolution: Genes to Groups" (undergraduate course), University of Chicago.

Invited/ guest lectures: Institute of Vertebrate Paleontology and Paleoanthropology, Chinese Academy of Science, Beijing; guest lecture for "Systematics" (undergraduate course), and "Introduction to Research at the Field Museum" (graduate course), Committee on Evolutionary Biology, University of Chicago.

Jenny McElwain

Postdoctoral Scientist: Stephanie Ickert-Bond.

Graduate Students Advised: Surangi Punyasena, University of Chicago; Michael Fortwengler, Northwestern University; Matthew Haworth, University of Oxford.

Undergraduate Student Advised: Jessica Wade-Murphy, University of Chicago.

Interns: Madeleine McLeester.

Courses: "Independent Study" course, Northwestern University.

Invited/ guest lectures: Guest lecture for "Evolution, Genes to Groups" (undergraduate course), University of Chicago; Guest lecturer in Evolution Short Course, University of California, Berkeley.

Olivier Rieppel

Graduate Students Advised: Li Chun, Institute of Vertebrate Paleontology and Paleoanthropology, Beijing; Jack Conrad, University of Chicago; Annal Haber, Southern Methodist University.

Courses: "Evolutionary Morphology of Vertebrates," (undergraduate level), Northwestern University; "Homology and Natural Kinds" (graduate student seminar), George Washington University, Washington; "The History of Homology" (graduate course), University of Chicago.

William F. Simpson

Undergraduate Intern: Anthony E. Petrites, University of Missouri at Columbia.

Meenakshi Wadhwa

Postdoctoral Scientists: Catherine N. Foley; Nicolas Dauphas.

Undergraduate Intern: Lev Spivak-Birndorf, University of Chicago.

Invited/ guest lectures: Guest lecture for seminar course in planetary sciences, Northwestern University.

Peter J Wagner

Graduate Students Advised: Jonathon Marcot, Allison Beck, Rebecca Price, Tom Rothfus, Bjarte Hannisdal, Lee Hsiang Liow, Carl Simpson, Kim Koverman, University of Chicago.

Courses: "Distributions and Sampling" (graduate course), University of Chicago; "Genes to Groups" (undergraduate course), University of Chicago.

DEPARTMENT OF ZOOLOGY

John M. Bates

Graduate Students Advised: Jose Tello, Norbert Cordiero, Kenneth Jones, and Joseph Oyugi, University of Illinois at Chicago; Ana Carnaval, Dan Davison, and Trina Roberts, University of Chicago; Michael Huhndorf, Illinois State University; Wilsea Figueiredo, Universidade do Pará, Belém; Charles Kahindo and Kizungu Byamana, Makerere University, Uganda.

Undergraduate Interns: Isabel Caballero, Northern Illinois University.

Trainees: Bolivian Scientists visiting Environmental and Conservation Programs; Charles Kahindo, Makerere University, Uganda.

Courses: Population genetics and systematics reading group, The Field Museum.

Rüdiger Bieler

Postdoctoral Scientists: Russell Minton, Luiz Ricardo Simone.

Graduate Students Advised: Isabella Kappner and John Wilk, University of Illinois at Chicago; Rebecca Mara Price and Rebecca Rundell, University of Chicago; Ilya Tëmkin, New York University.

Undergraduate Interns: Erin Roche, Northwestern University.

Paul Z. Goldstein

Graduate Students Advised: Roman Arguello and Subir Tirvedi, University of Chicago.

Undergraduate Interns: Chris Grinter, University of Illinois at Champaign.

Courses: “Diversity and Evolution of Arthropods,” University of Chicago.

Steven M. Goodman

Graduate Students Advised: Marie Jeanne Raharilalao, Voahangy Soarimalala, Domoina Rakotomalala, V. Razakarivony, H. Rakotondravony, J. Ranivo, and M. Raheriarisena (all Ph.D. candidates), and an additional 7 D.E.A. students, Université d’Antananarivo; Karen Samonds, State University of New York at Stony Brook.

Courses: “Biogeography of Madagascar” and “Biological Inventory Techniques,” Université d’Antananarivo; “Mammals of Madagascar.”

Shannon J Hackett

Postdoctoral Scientist: Rauri Bowie.

Graduate Students Advised: Rauri Bowie, University of Cape Town, South Africa; Melissa Burns and Jose Tello University of Illinois at Chicago; Daniel Cadena, University of Missouri, St. Louis; Ana Carnaval, Dan Davison Bonnie Gulas, Nitzan Mekel, Trina Roberts, and Brian Sidlauskas, University of Chicago; Zac Cheviron, Illinois State University; Sushma Reddy, Columbia University, American Museum of Natural History.

Undergraduate Interns: Sarah Solomon, Bowdoin College.

Courses: Population genetics and systematics reading group, The Field Museum.

Lawrence R. Heaney

Graduate Students Advised: Gina Wesley, Trina Roberts, and Rebecca Rowe, University of Chicago.

Other: Traveling scholar advised: Danilo S. Balete, Philippines.

Maureen Kearney

Graduate Students Advised: Adam Franssen, Courtney Babbitt, Jack Conrad, Rebecca Shearman, and Tristan Stayton, University of Chicago.

Undergraduate Interns: Emma Dahl, Smith College; Bethany Kesselring, Illinois Wesleyan University; Jelena Pantel, University of Chicago; Angela Warda, North Park University.

Courses: “Systematic Biology” (graduate and undergraduate course), University of Chicago.

Other: Luke Mahler, Research Assistant.

James B. Ladonski

High School Interns: Catherine Demczuk, Evanston High School.

Courses: “Anatomy and Physiology I,” Ivy Tech State College, Michigan City, IN.

Alfred F. Newton

Postdoctoral Scientist: Alexey Solodovnikov.

Graduate Students Advised: José Luis Navarrete, UNAM, Mexico; David Clarke, University of Illinois at Chicago.

Bruce D. Patterson

Graduate Students Advised: Alex Dehgan, University of Chicago; Norbert Cordeiro, Maria Luisa Jorge, and Paul Velazco, University of Illinois at Chicago; Patty Ruback, Northern Illinois University; Carl Dick, Texas Tech University; Henri Barnard, University of Copenhagen, Zoological Museum, Denmark.

Undergraduate Interns: Allison Garoza, College of the Atlantic, Bar Harbor, ME.

Trainees: Alex Mwazo Gombe, Tsavo Research Centre, Voi, Kenya; Simon Wanjohi, Taita Discovery Centre, Maungu, Kenya.

Courses: “Biogeography,” University of Chicago; “Studies in Evolutionary Biology,” University of Chicago.

Invited/ guest lectures: Department of Biology and Center for International Studies, St. Lawrence University, Canton NY; Department of Biological Sciences, Texas Tech University; Department of Biological Sciences, Illinois Institute of Technology.

Alan Resetar

Undergraduate Interns: Kristen Kelsch, University of Cincinnati; Emily Stuebing, Miami University.

High School Interns: Catherine Demczuk, Evanston High School, Evanston, IL.

Mary Anne Rogers

Undergraduate Interns: Sarah Watson, Loyola University.

Petra Sierwald

Courses: “The Diversity and Evolution of Arthropods,” University of Chicago; “Biology of Arthropods: Field Methods and Systematic Training,” Hlwaga Park, Yangon, Myanmar; Sheet-web spider workshop, University of Wisconsin at Green Bay.

Alexey Solodovnikov

Invited/ guest lectures: Guest Lecturer, “The Diversity and Evolution of Arthropods” course, University of Chicago.

William T. Stanley

Undergraduate Interns: Kathleen Ratteree, University of Colorado; Sarah Vaughn, Cornell University.

Margaret K. Thayer

Postdoctoral Scientist: Alexey Solodovnikov.

Graduate Students Advised: José Luis Navarrete-Heredia, Universidad Nacional Autónoma de México; David Clarke, University of Illinois at Chicago.

Undergraduate Interns: Rebekah Shuman, North Park University.

Janet R. Voight

Graduate Student Advised: Kristin Sherrard University of Chicago.

Other: Lecturer, Committee on Evolutionary Biology, University of Chicago.

Kevin Swagel

Undergraduate Interns: Sarah Watson, Loyola University.

Harold K. Voris

Graduate Students Advised: Ana Carnaval and Jake Socha, University of Chicago; Julie Kaplan and Bryan Stuart, University of Illinois at Chicago; Sohan Shetty, Nanyang Technological Institute, Singapore; Sansareya Wangkulangkul, Chulalongkorn University, Thailand.

Undergraduate Interns: Emily Stuebing, Miami University.

Invited/ guest lectures: Invited presentation, Department of Biological Sciences, Chulalongkorn University, Bangkok, Thailand; Invited presentation, University of Singapore.

Mark W. Westneat

Graduate Students Advised: Jim Cooper, Aaron Rice, Tristan Stayton, Brian Sidlauskas, Marcus Davis, University of Chicago; Jennifer Fessler, University of Illinois at Chicago.

Undergraduate Interns: Christian Kammerer and Dean Thorsen, University of Chicago.

Courses: “Comparative Anatomy of the Vertebrates,” and “Topics in Biomechanics: Muscle,” University of Chicago.

David Willard

High School Interns: Paul Finnegan, Evanston High School.

Invited/ guest lectures: College of DuPage County; North Park College; School of the Art Institute of Chicago.

TRAINING PROGRAMS, 2003

Members of The Field Museum's scientific staff contribute to a wide spectrum of formal and hands-on training in collections-based research for high school, undergraduate and graduate students, and young professionals each year. Building on the Museum's core subject matter in evolutionary and environmental biology and anthropology/ archaeology, these programs meet a variety of needs—from encouraging young students to consider careers in the sciences, through providing training to minority and women undergraduates (two groups underrepresented in the sciences), to training young scientists from other countries in research techniques to tackle environmental conservation issues at home. From suburban high school interns to NGO scientists, from Chicago neighborhoods to the tropics, Field Museum scientists lend their expertise to train future generations of biologists and anthropologists. The following is a broad sampling of the diverse array of training programs to which Field Museum scientists contribute.

HIGH SCHOOL INTERNSHIPS

Biodiversity Explorers. This internship program, funded in part by the Bannerman Foundation, is designed to encourage high school students to consider the biological sciences as a career. The program introduces students to environmental biology and collections-based research through a program of fieldwork, laboratory work, lectures and "behind-the-scenes" museum experiences. In 2003, the 8th year of the program, six Chicago-area students were chosen to participate. Students were from the following high schools: Von Stueben Metropolitan Science Center, Northside College Preparatory Academy, Jones College Preparatory Academy, Bishop Noll Institute (Hammond, Indiana) and George Washington High School. Using the UrbanWatch protocols, the students carried out biodiversity surveys of areas in which Museum scientists were conducting conservation work: Wolf Lake and the Nike Missile Site. The students also continued a restoration project which was begun by the previous year's Biodiversity Explorers at the William Powers Conservation Area on Wolf Lake. Their summer experience culminated with a community work day led by the interns at the site of their restoration project.

Wood Internship. Funded by a generous gift from J Howard and Barbara M. J Wood, this program is geared specifically towards providing hands-on training for high-school students in the Museum's scientific areas. In 2003, the Wood program provided direct support for the six students participating in the Biodiversity Explorers Program (see above).

UNDERGRADUATE INTERNSHIPS

Field Museum Scholarship Committee Internships. Each year The Field Museum supports three-month internships for undergraduate students and recent graduates to work directly with scientists at The Field Museum on collections-based research projects. For summer 2003, three students, from the University of Illinois at Chicago, the University of Illinois at Urbana-Champaign, and Illinois Wesleyan University, worked on projects in Botany and Zoology (Insects, and Amphibians & Reptiles).

Hyndman Internship. Endowed through a generous gift from Ellen F. Hyndman, this program provides internship opportunities for students at any level. In 2003 the program supported an intern conducting scientific illustration for a research project on bryophytes in Botany.

Native American Internship Program. Since 1990, the Museum has offered internships for Native American students to work with the Museum's Native American collections. The interns assist with the Museum's repatriation program, inventory individual tribal collections, conduct research to respond to repatriation requests, and assist with visits of Native Americans to The Field Museum collections. In

2003, one intern, Ernest Whiteman, a representative from the Chicago community and student at Columbia College Chicago, participated in the program.

Prince Internship. This program, funded by the Prince Charitable Trust, provides support to recruit and train women and minority interns at the secondary and college levels. In 2003 the program supported a total of 12 interns: four in the Center for Cultural Understanding and Change, two in Environmental Conservation Programs, five in Zoology, and one in Botany.

Boone Scholars Internships for East Asian Studies. Supported by a bequest from the late Commander Gilbert E. Boone and his wife Katharine Phelps Boone, the Boone Scholars Internships for East Asian Studies allow highly qualified undergraduates the opportunity to study at The Field Museum and research Anthropology collections from Japan, Korea, China, and elsewhere in the eastern part of Asia. Interns engage in a wide variety of tasks, ranging from individual research to assisting collections management teams in maintaining the collection. Boone Scholars report directly to the Boone Curator for Asian Anthropology and the Head of Collections in the Department of Anthropology. In 2003, two interns worked with curators and collections managers on the inventory of the Boone collection and other Asian material, as well as other projects, including web page development.

Cultural Collections Committee Interns. In 2001, the CCC, a “friends” group for the Anthropology Department, created a program to support undergraduate involvement in anthropology research; the award is designed to cover salary support for two Museum-based undergraduate collection management interns, and travel expenses for another four interns to participate in archaeological or ethnographic field work. In 2003, one collection intern worked on North American and African archaeological collections, the other on a variety of collections management projects relating particularly to object movement and loans, while the four “field” interns assisted Field Museum anthropologists with projects in Oaxaca, Puerto Rico, and Perú.

Internships in Anthropological Objects Conservation. In 2001, Anthropology’s Conservation lab was awarded a Conservation Education and Training Grant from The Getty Grant Program, to support two one-year post-graduate internships in Anthropological Objects Conservation. The goal is to produce highly-trained archaeological and ethnographic conservators by offering advanced training in an institution with internationally recognized collections and conservation resources. The interns examine and treat a wide variety of objects, and also focus on a specific material or condition problem in depth. A travel stipend enables the interns to visit other institutions for research or attend a relevant conference. David Graves, the 2002-2003 Getty Intern, worked on North American dyed quillwork, the archaeological metals project, objects being considered for loans, and also conducted tests for residual poisons.

GRADUATE PROGRAMS

University of Chicago – Committee on Evolutionary Biology (CEB). This doctoral-degree granting program within the division of Biological Sciences at the University of Chicago is a collaboration among the University, The Field Museum, Brookfield Zoo, and Argonne National Laboratory. Its faculty has been training doctoral students for research and teaching careers in evolutionary biology for more than 35 years. 21 Field Museum scientists are actively involved in the CEB graduate training program, comprising a third of its faculty and supervising two-thirds of its Ph.D. candidates. For more than a decade, a Field Museum curator has served as Associate Chair of the CEB (John Flynn, Geology, has been in the post since 1995). Currently, 16 CEB students are conducting Field Museum-based projects.

University of Illinois at Chicago/Field Museum Joint Degree Program in Anthropology. This program fills a unique niche in the world of university education. The program was formally established in 1995 in order to strengthen anthropology course offerings at UIC (enabling the UIC Anthropology program to grant the Ph.D. degree), and to facilitate access by UIC faculty and students to Museum collections. The

Field Museum's anthropology curators have adjunct professor status at UIC, and interested anthropologists at the University have adjunct curator status at the Field Museum. Faculty of both institutions serve jointly on admissions committees for students and on search and promotion committees for teaching and curatorial staff. Field Museum Curators teach on a regular basis at UIC, and UIC graduate students actively conduct research in Anthropology collections and labs. The joint Ph.D. program plays a key role in communications among anthropologists in the Chicago area. The program yielded three new Ph.D's in 2003: Sharon Penniston, Mike Hudson, and Edward Mahar.

Northwestern University/Field Museum Program in Anthropology. Formalized in fall 2001, this program consolidates an emerging relationship between the Anthropology programs at the Museum and Northwestern. As with the UIC program, Field Museum anthropology curators have received adjunct professor status at Northwestern, and will engage in regular teaching duties there, and select NU anthropologists have adjunct curator status at the Field. We expect that many Northwestern anthropology graduate students will become part of the Museum's "Resident Student" community.

University of Illinois at Chicago – Ecology and Evolution Program. This graduate-degree granting program within the Department of Biological Sciences at the University of Illinois at Chicago is a collaboration of the department's 10 organismal biologists with 11 curators at the Field Museum, as well as scientists from the Brookfield Zoo, Morton Arboretum and other area institutions. The collaboration grew out of joint interest in training international colleagues, and the program has hosted three MacArthur-sponsored curricula for training in tropical conservation. Currently, 18 students at Field Museum in Zoology, Botany and Geology are pursuing their graduate studies under this program. Bruce Patterson (Zoology) and Scott Lidgard (Geology) serve as institutional liaisons.

Resident Graduate Students. Field Museum scientists lend their expertise to both undergraduate and graduate instruction at universities in the Chicago area and around the world. As the Higher Education section demonstrates, university teaching is central to the activity of Field Museum curators, as is graduate student advising and dissertation supervision. Among the graduate students mentored and advised by Field Museum curators is a core group of graduate students whose work is squarely based in The Field Museum's collections and labs. During the past year The Field Museum provided training in collections-based research to 60 resident graduate students, from the University of Chicago, the University of Illinois at Chicago, Northwestern, Southern Illinois, and DePaul, as well as the University of Utah and the University of Essen, Germany.

COMMUNITY-BASED TRAINING

Calumet Environmental Education Program. ECP's Calumet Environmental Education Program (CEEP) was launched in August 2002 as a new model of conservation education that translates science into action for students and educators in the Calumet region of Chicago. Students participate in a consecutive ladder of conservation education programs, linking and building process skills and knowledge from one grade level to another. The three conservation education programs, Mighty Acorns (grades 4-6), Earth Force (grades 6-8), and UrbanWatch (grades 9-12), engage young people in scientific, hands-on learning about biodiversity and conservation, resulting in action projects. During 2003, CEEP supported 50 educators and more than 1,500 students at Washington High School and all of its eight feeder elementary schools: George Washington; Virgil Grissom; Henry Clay; Jane Addams; John Marsh; Orville Bright; Douglas Taylor; and Gallistel Language Academy. CEEP staff trained 40 educators in a four-day Summer Institute in August 2003 and hosted two Inquiry Groups (March & November 2003) for participating educators. An Inquiry Group is an organized meeting for all CEEP educators (grades 4-12) during the school year to provide them with opportunities to network with other teachers and enhance skills and subject knowledge from experts.

- **Mighty Acorns.** The Mighty Acorns program, a Chicago Wilderness model environmental education program, connects urban youth with nature through direct experiences in stewardship and exploration and thereby broadens community involvement in the protection and restoration of natural areas in the Chicago region. The students participate in seasonal field trips to local natural areas to engage in stewardship activities such as removing invasive garlic mustard plants, releasing *Galerucella* beetles on invasive purple loosestrife plants and collecting seeds from native plants for habitat restoration. Over 750 students from eight elementary schools are working with Field Museum staff to help restore and preserve the native ecosystems of the Calumet region in northeastern Illinois.
- **Earth Force.** Earth Force supports educators and students in the Calumet region of southeast Chicago and northwest Indiana in three programs, Community Action and Problem Solving (CAPS), Global Rivers Environmental Education Network (GREEN) and Earth Force After School. 750-plus students from 10 elementary schools participated in Earth Force in the Calumet region in 2003. Students investigate their community and local watershed through guided field trips, media and Internet research, water quality monitoring and classroom speakers. Students use this information to design and implement action projects to make long-term sustainable improvements to the environment. During 2003, Earth Force action projects included designing and planting butterfly gardens, releasing *Galerucella* beetles on invasive purple loosestrife plants, school recycling projects and greenway beautification.
- **UrbanWatch.** UrbanWatch, an environmental monitoring program developed in partnership with the Illinois Department of Natural Resources, engages teachers, high school students and adult citizen scientists in conducting biological inventories of urban green spaces such as schoolyards, parks and backyards. During 2003, UrbanWatch hosted three educator workshops, two student trainings and two volunteer workshops that increased our teacher and volunteer participation to 122 teachers and 208 volunteers. Students and volunteers monitored the biodiversity of sites located adjacent to natural areas where city and state agencies are preserving open spaces as a part of the Calumet Open Space Preserve.

Calumet Stewardship Initiative. As a member of the Calumet Stewardship Initiative (CSI), The Field Museum's CEEP students are connected within the Calumet region to the resources and expertise of numerous local, regional and state organization members. By focusing on one geographic area, The Field Museum has been able to develop deep relationships with conservation partners and educators in CSI. Trust has been built through our contributions to community meetings and our follow-through on commitments made, especially to our educators. ECP staff members attend regular CSI meetings throughout the year to support events such as the Calumet Stewardship Day. On May 21, 2003 CSI hosted the first annual Calumet Stewardship Day for some 900 students (grades 2-12) from the Calumet region. The event engaged local students in hands-on education and restoration stations at three sites: Wolf Lake; Eggers Woods; and Powderhorn Lake. These are the same three sites inventoried last year during the Calumet BioBlitz, where 2,257 species were identified. Restoration work included releasing *Galerucella* beetles on the invasive purple loosestrife plant, planting trees, and removing garlic mustard and purple loosestrife plants. Local organizations from the Calumet region, government agency representatives and others led the hands-on education and restoration activity stations. The event received wide local media coverage.

Illinois Biodiversity Basics Training. As part of the Field Museum's Year of Biodiversity and Conservation, ECP staff hosted the Illinois Biodiversity Basics Training on November 8 and 11, 2003 for 28 teachers representing 17 elementary and high schools from the Calumet region. These teachers participated in a two-day workshop focused on local biodiversity and conservation education offered through the Illinois Biodiversity Basics curriculum. Teachers had an opportunity to learn innovative biodiversity activities to integrate into their curriculum while enhancing their skills and subject knowledge around concepts related to biodiversity. These teachers will continue to participate in

biodiversity-related workshops and activities through The Field Museum's Year of Biodiversity and Conservation and other workshops offered by ECP in the Calumet region.

Urban Research Programs. Thirty-seven graduate and undergraduate students from across the nation have participated in urban research programs led by the Center for Cultural Understanding and Change, investigating a wide range of issues affecting Chicago's diverse communities, such as displacement due to gentrification, environmental awareness, and building community through community gardening and informal communication networks and arts assets. In 2003, CCUC received support from The Ford Foundation to expand its urban research program through the creation of the Urban Research and Curriculum Transformation Institute. Each summer the Center will host seven faculty fellows to study CCUC techniques, learn to incorporate diverse community voices into research and teaching practices, and provide their students with urban research field experience.

PROFESSIONAL AND FIELD-BASED TRAINING

Ecology Training Program/Université d'Antananarivo. The Field Museum and World Wildlife Fund (WWF) Madagascar are joint collaborators in a training program for Malagasy students that provides field and classroom training in the biological sciences through a program of research field trips in Madagascar, seminars at the Université d'Antananarivo, and collections work at the Museum. The MacArthur Foundation recently announced that it would be extending the program for an additional three years.

NSF PEET projects. The PEET program (Partnerships for the Enhancement of Expertise in Taxonomy), the National Science Foundation's response to ever-shrinking expertise in "whole organism" biology, makes major grants to support intensive studies of "under-studied" organisms, with training a major component of each project. Projects provide comprehensive training in collections-based, monographic studies for postdoctoral associates, graduate students, and undergraduate interns. The Field Museum has four PEET grants currently underway:

- Margaret Thayer (Zoology): "Monography, Phylogeny, and Historical Biogeography of Austral Staphylinidae (Coleoptera)."
- Sabine Huhndorf (Botany): "Monographs of Two Key Genera and Family-Level Phylogeny (Fungi, Ascomycetes, Sordariales)." (This is the second PEET grant held by this investigator.)
- Rüdiger Bieler (Zoology): "Bivalves: Research, Training, Electronic Dissemination of Data."
- Petra Sierwald (Zoology): "The Diplopoda: Research, Taxonomic Training and Computerization."

Training Programs for Central American Mycology Students and Young Professionals. The Mycology group continued capacity-building programs for training the next generation of Central American mycologists during 2003. The 2nd Short-course on "Sampling Macrofungal Diversity" was held in the Gunacaste Conservation Area, Costa Rica in June 2003. Participants from Guatemala, El Salvador, Nicaragua, Honduras, Costa Rica, and Panama took the course that was organized and taught by Greg Mueller. Robert Lücking organized a workshop on sampling and identifying lichenized fungi at the Costa Rican National Biodiversity Institute (INBio). Additionally, two undergraduate students from the University of Costa Rica made a two-week research visit to Field Museum during July 2003. Greg Mueller, Sabine Huhndorf, Robert Lücking, Fernando Fernandez, and Andy Miller all worked closely with the mycology curators, technicians, and parataxonomists at INBio during their research and training visits to Costa Rica. These activities are in response to the need for a training program in fungal systematics/ biodiversity for Central American scientists, identified as a high priority for the region by The Mesoamerican and Caribbean Herbaria Association. The primary product of this capacity building activity is to develop a corps of individuals who can begin to document the fungi throughout Central America. Another goal is a network to share information, resources and expertise, and joint projects for additional training, exploration, supplies, and equipment. This work is now showing signs of success, as

mycological inventories are being initiated in most Central American countries, and several trainees are pursuing graduate studies in mycology.

Environmental Education in Pando, Bolivia. ECP is working with the Cobija School District, the Centro de Investigación y Preservación de la Amazonia (CIPA) and the newly formed Museo de Historia Natural Pedro Villalobos at the Universidad Amazónica de Pando (UAP) to promote widespread community participation in conservation. In the summer and fall of 2003, ECP staff facilitated four educator capacity-building workshops and piloted the use of conservation school curriculum. Using the Calumet Environmental Education Program (CEEP) continuum as a model, ECP worked with local partners to create, adapt and implement a school curriculum with a similar consecutive, action-based conservation education approach. Students in this program continuously build upon newly acquired skills throughout elementary and secondary school. During 2003, ECP and its local partner institutions supported 44 teachers and over 1300 students from 11 different schools in Cobija in the following three school curriculums: Poderosas Semillitas, Protegiendo Nuestras Cuencas Hidrológicas, and Cuidado Urbano. Seven UAP student interns, trained in the school curriculum, environmental education objectives and techniques, provided technical support and guidance for the teachers in the classroom and in their fieldwork.

Biodiversity in the Democratic Republic of Congo. 2003 marked the third year of a four-year MacArthur-sponsored training program at the Centre de Recherche en Sciences Naturelles (CRSN) in Lwiro, Bukavu, DRC. Led by Zoology Department Chairman John Bates (Zoology/ Birds) the "Programme Biodiversité des Ecosystèmes Aquatiques et Terrestres dans le Rift Albertin (PBEATRA)" is a collaboration for capacity-building between The Field Museum and the three Congolese institutions: CRSN, the Centre de Recherche Hydrobiologique (CRH, Uvira), and the Institut Congolais pour la Conservation de la Nature (ICCN). Because of instability in the region, the July 2003 course was taught entirely by Congolese collaborators, which was an important step forward in improved interactions between the region's institutions. For the first time, the course was able to work in Kahuzi-Biega National Park, a World Heritage Site administered by ICCN. MacArthur funding also supported visits to the US by two Congolese trainees. Charles Kahindo, a MacArthur-supported doctoral student at Makerere University in Uganda, gathered DNA sequence data for his dissertation project on genetic structure in several warblers endemic to the Albertine Rift in the Museum's Pritzker Laboratory. Jean Jacques Balgawa, a hydrochemist from CRSN, has been training with colleagues at the University of Wisconsin, Milwaukee. Using training in Chicago from the previous year, the Program's Public Outreach team conducted several workshops in Congo.

Conservation outreach in Bolivia. In May and June of 2003, Environmental and Conservation Programs carried out an intensive training program for five Bolivian students and two faculty members from Universidad Amazónica de Pando (UAP), Cobija, Bolivia. This training at The Field Museum focused on environmental interpretation techniques and development of educational materials (such as a laminated guide to Amazonian fishes), as well as management of natural history collections, including the preparation of specimens for use within teaching collections. The program was carried out in conjunction with the second phase and completion of an AAM/ IPAM (American Association of Museums/ International Partnership Among Museums) exchange grant between The Field Museum and the Bolivian academic institution. Dan Brinkmeier of ECP and Franklin Terrazas of the UAP served as exchange partners. As a direct result of this training program, a new museum with a small collection has now been established at the Bolivian university.

Ecuador: training and support for community conservation programming. 2003 training initiatives by ECP included a series of group meetings aimed at helping Cofan indigenous communities to conduct censuses on large birds and mammals, in addition to monitoring hunting behavior with the goal of developing a resource management program for Cofan protected areas. ECP also continues to provide technical assistance in a Cofan community, which involves conserving endangered river turtles through an active "headstarting" program, data collection, and the visual census of adult turtles.

Philippines biodiversity and conservation. Curator Larry Heaney (Zoology/ Mammals) has been working for more than 20 years on vertebrate biodiversity documentation and conservation in the Philippines, and training has been a prominent component of this project. The Philippines is now considered to have perhaps the highest concentration of unique biodiversity of any country, but is also listed as one of the most severely threatened. With funding from the Museum, NSF, and the MacArthur Foundation, Dr. Heaney has trained some 50 young Filipino university biologists, park managers, and government officials in techniques for field biodiversity assessment, protected area and wildlife management, analysis of conservation priorities, and faunistics. In 2003, he led a team of biologists from Filipino universities and conservation organizations to complete the first comprehensive survey of the vertebrates of the largest mountain chain in northern Luzon, with advanced training of three young Filipino biologists.

ACADEMIC AFFAIRS INTERNS, 2003

HIGH SCHOOL INTERNS

Department of Anthropology

David Godow, Francis W. Parker High School.

Environmental Conservation Programs

Biodiversity Explorers: Isaiah Ballinger, Von Stueben Metropolitan Science Center; Liset Banuelos, Northside College Preparatory Academy; Allison Bruckman, Jones College Preparatory Academy; Michael Elizalde, Bishop Noll Institute; Diana Iocco, George Washington High School.

Department of Geology

Emma Cape, Illinois Math and Science Academy.

Department of Zoology

David Bowen, New Trier High School; Catherine Demczuk, Evanston Township High School; Laura Fox, St. Ignatius High School; Cole Kirchner, St. Ignatius High School; Grace Linder, Zach Lupei, and Dennis Olsen, Oak Park-River Forest High School.

UNDERGRADUATE STUDENT INTERNS

Department of Anthropology

Abby Bentz, University of Colorado-Boulder; David Burger, University of Chicago; Katherine Craig, University of Chicago; Jaime Darnton, Yale University; Megan Dreschel, Grinnell College; Allison English, University of Illinois-Champaign-Urbana; Amanda Haas, Occidental College; Elizabeth Holsapple, Loyola University; John-Paul Ketchum, University of Notre Dame; Breanne Larrick, North Central College; Jordan Long, Miami University; Crystal Prentice, University of Notre Dame; Timothy Quinn, Northwestern University; Samuel Redman, University of Minnesota; Andrea Rincon, University of Illinois at Chicago; Nicole Roth, Illinois State University; Lynne Schiele, University of Illinois-Champaign-Urbana; Jeremy Sherman, Iowa State University; Larissa Smith, University of Arizona; Helena Stenberg, University of Chicago; Katherine Szremski, University of Chicago; Alexa Tetzloff, University of Chicago; Craig Tews, University of Illinois at Chicago; Sabra Thorner, Fulbright Fellow, Melbourne, Australia; Alexandra Trumbull, Beloit College; Charles Valenta, University of Illinois at Chicago; Vanessa Verri, Colby College; Stephen Weidlich, DePaul University; Ernest Whiteman, Columbia College; Lauren Zynch, University of Chicago.

Department of Botany

Kevin Brennan, Illinois Wesleyan University; Denise Chiu, University of Illinois at Chicago; Emanuel Favela, N.B.; Wyatt Gaswick, University of Illinois at Chicago; Roberta Hannibal, University of Chicago; Dwyer Kilcollin, Washington University; Bethany Newmann, University of Chicago; Deborah Stringer, University of Chicago.

Center for Cultural Understanding and Change

Yasmeen Basheeruddin and Nishaant Choksi, University of Chicago; Jessica Cañas, Loyola University; Brady Gordon, Stanford University; Shanti Hubbard, Harvard University; Holly Magdanz, Carleton College; Ericka Menchen, Loyola University-Chicago; Kristen Pappas, Illinois Wesleyan University; Deirdre Pfeiffer and Kimberly Schultz, Northwestern University; Andrea Rincon, University of Illinois at Chicago; Paloma Udovic, Northwestern University.

Environmental Conservation Programs

Jessica Cañas, University of Illinois-Chicago; Patty Ruback, Northern Illinois University; Nathan Strait, School of the Art Institute of Chicago.

Department of Geology

Stuart Fox, Madeleine McLeester, Lev Spivak-Birndorf, University of Chicago; Kyle Iverson, DePaul University.

Department of Zoology

Emma Dahl, Smith College; Chris Grinter, University of Illinois Urbana; Christian Kammerer, University of Chicago; Kristen Kelsch, University of Cincinnati; Bethany Kesselring, Illinois Wesleyan University; Rob McIntyre, University of Maryland; Michael Montague, Boston College; Jelana Pantel, University of Chicago; Lisa Powers, Loyola University; Kathleen Ratteree, University of Colorado; Abigail Reft, University of Chicago; Erin Roche, Northwestern University; Melissa Rowe, University of Chicago; Rebekah Shuman, North Park University; Lydia Smith, University of Michigan; Emily Stuebing, Miami University; Dean Thorsen, University of Florida; Subir Trivedi, University of Chicago; Sarah Vaughn, Cornell University; Angela Warda, North Park University; Sarah Watson, Loyola University.

GRADUATE STUDENT INTERNS

Department of Anthropology

Kirk Costion, University of Pittsburgh; Monica Hudak, University of Buffalo; Karl Knauer, University of Delaware; Benjamin Vining, Boston University.

RESIDENT GRADUATE STUDENTS, 2003

DEPARTMENT OF ANTHROPOLOGY

University of Illinois at Chicago

Ken Batai, Sofia Chacaltana, Jennifer Clark,
Dan Corkill, Chris Davis, Kathy Forgey, Matthew
Gross, Nam Kim, Rebecca Osbron,
Joseph Szymczak, Laura Waterbury

Northwestern University

Robin Coleman

Southern Illinois University - Carbondale

David Goldstein

DEPARTMENT OF BOTANY

University of Illinois at Chicago

Amanda Koch, Amy Libman, Tatiana Lobo,
Joanna Michael, George Mugambe, Huu Nguyen,
Malini Siram, Donna Webster

University of Chicago

Kelly Gravier, Matthew Kierle

University of Essen, Germany

Armin Mangold, Nora Wirtz

CENTER FOR CULTURAL UNDERSTANDING AND CHANGE

University of Illinois at Chicago

Rosa Cabrera, Sharon Penniston, Patricia Williams.

DePaul University

Deanna Schoss

ENVIRONMENTAL CONSERVATION PROGRAMS

University of Chicago

Christina Bentz, Dan Davison

University of Utah

Paul Fine

DEPARTMENT OF GEOLOGY

University of Chicago

Jack Conrad, John Finarelli, Anjali Goswami,
Bonnie Gulas-Wroblewski, Christian Kammerer,
Jon Marcot, Virginia Miller, Karen Sears, Gina
Wesley,

Northwestern University

Michael Fortwengler, Ramya Sivaraj

DEPARTMENT OF ZOOLOGY

University of Chicago

Ana Carnaval, James Cooper, Dan Davison,
Jennifer Fessler, Becca Price, Aaron Rice, Trina
Roberts, Becca Rowe, Melissa Rowe, Rebecca
Rundell, Brian Sidlauskas, Charles Stayton,
K. Rebecca Thomas, Dean Thorsen.

University of Illinois at Chicago

Julian Bueno Villegas, David J Clarke, Norbert
Cordeiro, Terrence Demos, Malu Jorge, Isabella
Kappner, José Tello, Bryan Stuart, Paul Velazco,
John Wilk.

ACADEMIC AFFAIRS VOLUNTEERS, 2003

DEPARTMENT OF ANTHROPOLOGY

Sanae Akiyoshi, Carola Ballester, Gail Barnes, Janice Bell, Kathryn Berg (Chinese and Mesoamerican Archaeology), Monika Borkowska (CRC), Jennifer Brand, Tamira Brennan (Archaeology), Tatsumi Brown, Joan Brodsky, Nicholas Carrier (Circum-Caribbean Archaeology), Aloysius Chen, Jennifer Clark, Robin Coleman, Joan Connor, Lousie Elinoff, Connie Crane, Lora Lee Fry (Mesoamerican Archaeology), Peter Gayford (African Archaeology), Alex Gidwitz (Mesoamerican Archaeology), David Goldstein, Lisa Goodwin (Registration), Juliana Guimaraes, Sarah Jane Guth (CRC Historic Archaeology), Amanda Hartman (CRC), Taeko Hashimoto (Asian Anthropology), Warren Haskin (History of the Department of Anthropology), Francis Heller, Ilse Henley, Elizabeth Ann Holder (Mesoamerican Archaeology), Elizabeth Holsapple (Conservation), Alisha Hudson, Cheryl Istvan (Asian Anthropology), Jacqueline Jackson, Belen Jaquez (Southwestern Archaeology), Santiago Juarez, Donna Kniaz, James Le Fager (Mesoamerican Archaeology), Adam Leon (Mesoamerican Archaeology), Leonore Levit (Asian Ethnology and Archaeology), Robert Lewis, James Listak, Renee Logan, Gregory Lucas (Mesoamerican Archaeology), Diane Luhmann (Registration), Jack MacDonald (Registration), Robert MacFarland (Circum-Caribbean Archaeology), Barbara Majerczyk, Eva Mannaberg (Registration), Dan Maratto, Sabina Matachowska (CRC), Jennifer McMahon (Near Eastern Archaeology), Holly Meier (Registration), Josephine Meleico, Carolyn Moore (Asian Anthropology), Monica Moran-Pachl, David Moreno, Reiko Mrozik (Asian Anthropology), Ellis Murphy (Mesoamerican Archaeology), Katie Nash (Collections), Lisa Nosek, Hiroyoshi Noto (Asian Anthropology), Anne Nowicki (CRC), Kari Oakes (Mesoamerican Archaeology), Judy Odland, Rahul Oka (African Archaeology), Christina Pannos (Mesoamerican Archaeology), Dorothea Phipps-Cruz (Registration), Carolyn Powell, Mary Prindville (Registration), Timothy Quinn, Karl Reko, Nicole Roth (Registration), Alan Rushakoff (Registration), Kathryn Ryberg, Jeannie Sack, Akiko Saito (Asian Anthropology), Jennifer Schaffer, Esther Schechter (Oceanic Archaeozoology and Ethnology), Lynne Schiele (Registration), Pamela Schrader, Barbara Schwartz, Lauren Schwartz (Mesoamerican Archaeology), John Shea, Julie Simek, Tamara Siuda (CRC Historic Archaeology), Malcolm Smith (Asian Ethnology and Archaeology), Beth Spencer (Chinese and Mesoamerican Archaeology), Sarah Stone (Mesoamerican Archaeology), Lisa Stringer (African Ethnology and Archaeology), Jeff Stefan, Joseph Szymczak, Tory Tellefsen, Ika Tomaschewsky (Southwestern Archaeology), Hsi-tsin Tsiang (Asian Anthropology), Micah Urban (Oceania, Anthropology), Kavita Sharma (African Archaeology), Mary Vermilion (North American Archaeology), Jean Vondrisk (Asian Ethnology and Archaeology), Keito Waki (Asian Anthropology), Kate Warden (Mesoamerican Archaeology), Kyoko Watanabe (Asian Anthropology), William Willoughby (Conservation), Brian Wilson, Monica Wood (African Archaeology), Shannon Workman, Edward Yastrow (Prehistoric Archaeology), Yuko Yoshida, Erica Zahnle, Kevin Zhou (Asian Anthropology).

DEPARTMENT OF BOTANY

Barbara Bouton (Bryology), Mary Feay (Mycology), Mary Gustafson (Vascular Plants), Richard Hyerczyk (Lichenology), Nancy Klaud (Scientific Illustration), Alice Pilar (Mycology), Jacqueline Van De Veire (Vascular Plants), Dirk Witzke (Lichenology).

CENTER FOR CULTURAL UNDERSTANDING AND CHANGE

Katherine Balasa, Joe Dawson, Joanne Benazzi Friedland, Nancy Greenman, Kate Gillogly, Benjamin Hedrick, Joe McHaley, Andrea Rincón, Cara Spicer, Daniel Wolk.

ENVIRONMENTAL CONSERVATION PROGRAMS

Joe Becker, Peter Cruikshank, Susan Okey, Hugo Quiroz, Michelle Reilly, Fred Rodriguez.

DEPARTMENT OF GEOLOGY

Nick Bauer (Vertebrate Paleontology), Irene Broede (Vertebrate Paleontology), Thomas Burke (Paleobotany), Dave Clarke (Vertebrate Paleontology), Mary Sue Coates (Invertebrate Paleontology, Meteoritics), Larry Coronelli (Paleobotany), Courtenay Corrado (Vertebrate Paleontology), David Dolak (Invertebrate Paleontology), Lidiya Dudina (Paleobotany), Denise Edelson (Vertebrate Paleontology), Mike Eklund (Vertebrate Paleontology), Erin Fitzgerald (Vertebrate Paleontology), Stuart Fox (Dinosaurs), Richard Hidaka (Vertebrate Paleontology), Linda Hills (Vertebrate Paleontology), Donna Katz (Invertebrate Paleontology), Tom Kerstann (Vertebrate Paleontology), Dennis Kinzig (Vertebrate Paleontology), Joanne Kluga (Vertebrate Paleontology), Pamela Knight (Vertebrate Paleontology), Lindsay Ann MacKenzie (Vertebrate Paleontology), John McConnell (Invertebrate Paleontology), Brian Morrill (Vertebrate Paleontology), Karen Nordquist (Vertebrate Paleontology), Alexandria Patin (Vertebrate Paleontology), Ken Peters (Paleobotany, Invertebrate Paleontology), Anthony E. Petrites (Vertebrate Paleontology), Patrica Ranaivo Vavizara (Vertebrate Paleontology), Katie Savary (Vertebrate Paleontology), Katie Scholl (Vertebrate Paleontology), Joe Schroeter (Vertebrate Paleontology), Paula Shevick (Vertebrate Paleontology), Amy Singer (Vertebrate Paleontology), Karen Smetana (Vertebrate Paleontology), Wendy Taylor (Invertebrate Paleontology), Tom Testa (Invertebrate Paleontology), Hedy Turnbull (Vertebrate Paleontology), Mary Valsa (Vertebrate Paleontology), Warren Valsa (Vertebrate Paleontology), Karen Vendl (Physical Geology), Mark Vendl (Physical Geology), Ray Vodden (Vertebrate Paleontology), Deborah Wagner (Vertebrate Paleontology), Michael White (Vertebrate Paleontology), Dave Wilhelm (Vertebrate Paleontology), Jack Wittry (Paleobotany, Invertebrate Paleontology), George Wolnak (Vertebrate Paleontology), Steven Zitowsky (Vertebrate Paleontology).

DEPARTMENT OF ZOOLOGY

Tom Anton (Amphibians and Reptiles), Helen C. Bonbrest (Invertebrates), Renee Buecker (Insects), Peter Buol (Birds), Isabel Caballero (Mammals), Fredell Campbell (Mammals), Dr. Sidney Camras (Insects), Sarah Drasner (Amphibians and Reptiles), Marion Dunn (Fishes), Stanley Dvorak (Invertebrates), Alison Ebert (Mammals), Ralph Eiseman (Birds), Sandy Fejt (Birds), Arlene Ghiron (Insects), Joan Goldstein (Fishes), Alex Grohman (Mammals), Jennifer Gura (Insects), Kiyoko Hamilton, (Mammals), Henry Hankin (Mammals), Herbert Hymen (Birds), Edwin Kapus (Invertebrates), Dr. James Kase (Insects), Melissa Kelly (Mammals), Judith Kittle (Mammals), J. Klopp (Mammals), Ricard Landau (Mammals), Armand Littman (Invertebrates), Ryan Lucas (Birds), Leslie Major (Birds), Teresa Mayfield (Amphibians and Reptiles), Noori Mohamed (Amphibians and Reptiles), Troy Nowack (Birds), Michael Peters (Insects), Tracy Potter (Fishes), Madiha Qureshi (Mammals), Jill Rabe (Mammals), Elizabeth Rauner (Mammals), Sheila Reynolds (Mammals), Pat Rubach (Mammals), Louis Salazar (Birds), Elizabeth Simmons (Insects), Rebecca Terry (Mammals), Dan Tian (Invertebrates), Sandy Van Tilburg (Birds), Christine Vittoe (Invertebrates), David Walker (Invertebrates), Sarah Watson (Fishes), Joseph Zich (Invertebrates).

HONORARY APPOINTMENTS, 2003

DEPARTMENT OF ANTHROPOLOGY

Curator Emeritus

Phillip Lewis, Ph.D., Primitive Art, Melanesian Ethnology

Adjunct Curators

Kathleen Adams, Ph.D., Southeast Asian Anthropology
William Barnett, Ph.D., Old World Prehistory
Brian Bauer, Ph.D., Andean Archaeology
Deborah Bekken, Ph.D., East Asian Archaeology and Zooarchaeology
James A. Brown, Ph.D., North American Archaeology
Elizabeth M. Brumfiel, Ph.D., Mesoamerican Archaeology
Andrew L. Cousins, Ph.D., Palestinian and Medical Anthropology
Winifred Creamer, Ph.D., Mesoamerican and Southwest Archaeology
Timothy Earle, Ph.D., Archaeology of Complex Societies
Robert L. Hall, Ph.D., Plains and Midwestern Archaeology and Ethnology
Chuimei Ho, Ph.D., East and Southeast Asian Art and Archaeology
Paul Hockings, Ph.D., Southern Asia Social Anthropology
Katherine Hoffman, Ph.D., Linguistic and Sociocultural Anthropology
Laura Junker, Ph.D., Complex Societies, Maritime Trade, and Ceramic Production
Lawrence H. Keeley, Ph.D., Europe and North American Paleolithic Archaeology
Waud Kracke, Ph.D., Social Anthropology, Psychoanalysis, Dreams
Sibel Barut Kusimba, Ph.D., African Archaeology
Christopher W. Kuzawa, Ph.D., Epidemiology and Evolutionary Medicine
William Leonard, Ph.D., Biological Anthropology
Mark Lietchty, Ph.D., Anthropology and History
Thomas McDade, Ph.D., Human Biology
John Monaghan, Ph.D., Anthropology and History, Religion
Donna Nash, Ph.D., South American Archaeology
Linda Nicholas, M.A., Mesoamerican Archaeology
Jel Palka, Ph.D., Mesoamerican Archaeology
James L. Phillips, Ph.D., Old World Prehistory, Stone Tools
Jack H. Prost, Ph.D., Physical Anthropology and Primate Behavior
David Reese, Ph.D., Archaeozoology
Cynthia Robin, Ph.D., Archaeology, Social Organization
Helen B. Schwartzman, Ph.D., Psychological Anthropology
Sylvia Vatuk, Ph.D., Cultural, Gender, and Urban Anthropology, India
Mary J. Weismantel, Ph.D., Cultural Anthropology, Food, Adoption
Robert L. Welsch, Ph.D., Oceania
Cameron Wesson, Ph.D., Household Archaeology, Southeastern United States
Sloan Williams, Ph.D., South American Bioarchaeology

Research Associates

Dean E. Arnold, Ph.D., Mesoamerican and South American Archaeology and Ethnology
Philip J. Arnold, III, Ph.D., Mesoamerican Archaeology, Craft Production and Ethnoarchaeology
Robert C. Bailey, Ph.D., Biological Anthropology, Africa
Jane Eva Baxter, Ph.D., Historical Archaeology
Lane Anderson Beck, Ph.D., Bioarchaeology, Mortuary Analysis, Paleopathology
Joshua Borstein, Ph.D., Mesoamerican Archaeology
Robert J. Braidwood, Ph.D., Middle Eastern Archaeology

Jane E. Buikstra, Ph.D., Skeletal Biology, Paleopathology, Paleodemography, Forensic Anthropology
 William J. Conklin, Ph.D., Peruvian Anthropology
 Nicole Couture, Ph.D., Latin America
 Phillip J. C. Dark, Ph.D., African Ethnology
 Edith DaSilva Pereira, Ph.D., South American Archaeology
 Raymond J. DeMallie, Ph.D., Kinship, Symbolic Anthropology, Ethnohistory
 Owen Doonan, Ph.D., Mediterranean Archaeology
 Robert Feldman, Ph.D., Andean Archaeology
 Steven L. Forman, Ph.D., Thermoluminescence Dating, Soil Stratigraphy
 Anne L. Grauer, Ph.D., Physical Anthropology, Skeletal Biology, North America
 Augustin Ferdinand Charles Holl, Ph.D., West African Prehistory, African-American Archaeology
 F. Clark Howell, Ph.D., Old World Prehistory
 Carolyn Schiller Johnson, Ph.D., Ethnomusicology
 Janet H. Johnson, Ph.D., Near Eastern Archaeology
 Dirse Clara Kern, Ph.D., South American Archaeology
 Alan L. Kolata, Ph.D., Andean Archaeology and Ethnohistory
 Lyle Konigsberg, Ph.D., Physical Anthropology
 David Kuehn, Ph.D., Geoarchaeology
 Elizabeth Ann Lillehoj, Ph.D., Japan, Material Culture
 Charles E. Lincoln, Ph.D., Mesoamerican Archaeology
 Laura Litten, Ph.D., Visual Anthropology
 Mark Lycett, Ph.D., US Southwest Archaeology
 Luisa Maffi, Ph.D., Linguistics, Mexico
 Maria Estela Mansur, Ph.D., South American Archaeology
 Donald E. McVicker, Ph.D., Mesoamerican Archaeology
 Kathleen Morrison, Ph.D., South Asian Archaeology
 Michael E. Moseley, Ph.D., South American Archaeology
 Karega Munene, Ph.D., African Archaeology
 Katherine Nelson, Ph.D., American Southwest Archaeology
 Charles E. Orser, Jr., Ph.D., Historical Archaeology, Ethnohistory, Archaeological Theory
 Nadine Ruth Peacock, Ph.D., Biological Anthropology, Africa
 Esther Schechter, Ph.D., Oceanic Archaeology
 Richard Schlott, Ph.D., Scientific Anthropology
 Ruth Shady, Ph.D., Andean Archaeology
 Fred H. Smith, Ph.D., Physical Anthropology
 John Edward Staller, Ph.D., Ethnoarchaeology, West Lowland South America
 Gil J. Stein, Ph.D., Near Eastern Archaeology
 Ann L. W. Stodder, Ph.D., Bioarchaeology, Oceania
 Robin Torrence, Ph.D., Mediterranean and New Guinean Archaeology
 Nikolaas Johannes van der Merwe, Ph.D., African Archaeology and Metallurgy
 Yeqiao Wang, Ph.D., Geography, Environmental Studies, China
 Ronald Weber, Ph.D., Amazon Basin and Northwest Coast Archaeology and Ethnology
 Donald Whitcomb, Ph.D., Egyptian Prehistory
 Thomas Wilson, Ph.D., Mexico, Museum Studies, African Archaeology

Associates

Eloise Richards Barter, M.A., North American Ethnography
 Connie Crane, A.B., North American Ethnology
 Peter Gayford, B.A., African Archaeology and Ethnology
 John M. MacDonald, M.S., Oceania
 Carolyn Moore, B.A., Asian Material Culture
 Judy Odland, M.A., African and South American Textiles
 Edward Yastrow, B.A., Human Origins

Frank Yurco, M.A., Egyptology

DEPARTMENT OF BOTANY

Curator Emeritus

William Burger, Ph.D., Vascular Plants

Adjunct Curators

William A. Alverson, Ph.D., Vascular Plants

Eve Emshwiller, Ph.D., Ethnobotany

Fernando A. Fernández, Ph.D., Mycology

Robin B. Foster, Ph.D., Vascular Plants

Gary L. Smith Merrill, Ph.D., Bryology

Visiting Assistant Curator

Fred R. Barrie, Ph.D., Vascular Plants

Research Associates

John Atwood, Ph.D., Vascular Plants

Robert F. Betz, Ph.D., Vascular Plants

John E. Braggins, Ph.D., Bryophytes

Julieta Carranza, Ph.D., Mycology

Andrew Douglas, Ph.D., Paleobotany

Jesús García J., Biol., Mycology

Nancy Garwood, Ph.D., Vascular Plants

Sidney F. Glassman, Ph.D., Vascular Plants

Luis D. Gómez, Ph.D., Mycology

Alfredo Gomez-Beloz, Ph.D., Vascular Plants

Jorge Gómez Laurito, B.S., Vascular Plants

James G. Graham, Ph.D., Vascular Plants

Nancy Hensold, Ph.D., Vascular Plants

Patrick Herendeen, Ph.D., Vascular Plants

Sara Hoot, Ph.D., Vascular Plants

Michael Huft, Ph.D., Vascular Plants

Wei Jang-Chun, Ph.D., Mycology

Marian Kadushin, Ph.D., Vascular Plants

Kuswata Kartawinata, Ph.D., Vascular Plants

Scott B. Kroken, Ph.D., Mycology/ Lichenology

Thomas G. Lammers, Ph.D., Vascular Plants

Segundo Leiva González, Ph.D., Vascular Plants

David Lentz, Ph.D., Vascular Plants

Blanca Leon, Ph.D., Pteridology

David P. Lewis, M.S., Mycology

Richard A. Lupia, Ph.D., Paleobotany

John F. Lussenhop, Ph.D., Mycology

James Luteyn, Ph.D., Vascular Plants

François M. Lutzoni, Ph.D., Lichenology

Maria de Milagro Mata Hidalgo, Mycology

Susana A. Magallón-Puebla, Ph.D., Paleobotany

Rogers McVaugh, Ph.D., Vascular Plants

John (Jack) Murphy, Ph.D., Mycology

Cirilo Nelson, Ph.D., Vascular Plants

Lorin I. Nevling, Jr., Ph.D., Vascular Plants
Stephen Packard, Ecology
Patricio P. Ponce de Leon, Ph.D., Mycology
Kathleen Pryer, Ph.D., Pteridology
Victor Quipuscoa Silvestre, Ph.D., Vascular Plants
Jacinto C. Regalado, Jr., Ph.D., Vascular Plants
Abundio Sagastegui, Ph.D., Vascular Plants
Isidoro Sanchez Vega, Ph.D., Vascular Plants
Harald Schneider, Ph.D., Pteridology
Rudolf M. Schuster, Ph.D., Bryology
Alan R. Smith, Ph.D., Pteridology
D. Doel Soejarto, Ph.D., Vascular Plants
Tod F. Stuessy, Ph.D., Vascular Plants
Qiuxin Wu, Ph.D., Mycology
Kenneth Young, Ph.D., Vascular Plants

Field Associates

Sandra Knapp, Ph.D., Vascular Plants
Antonio Molina R., Ing. Agr., Vascular Plants

Associates

Betty Strack, M.S., Mycology

DEPARTMENT OF GEOLOGY

Curators Emeritus

Matthew H. Nitecki, Ph.D., Fossil Invertebrates
William D. Turnbull, Ph.D., Fossil Mammals
Bertram G. Woodland, Ph.D., Petrology
Rainer Zangerl, Ph.D., Fossil Fishes

Research Associates

William L. Abler, Ph.D., Fossil Vertebrates
Edgar Allin, Ph.D., Fossil Vertebrates
David Bardack, Ph.D., Fossil Fishes
William Bemis, Ph.D., Fossil Vertebrates
Chris Brochu, Ph.D., Fossil Vertebrates
Greg Buckley, Ph.D., Fossil Vertebrates
Matthew T. Carrano, Ph.D., Fossil Vertebrates
Robert Clayton, Ph.D., Meteoritics/ Geochemistry
Michael Coates, Ph.D., Fossil Fishes
Peter R. Crane, Ph.D., Paleobotany
Darin Croft, Ph.D., Fossil Vertebrates
Nicolas Dauphas, Ph.D., Cosmochemistry
Andrew Davis, Ph.D., Meteoritics/ Geochemistry
David Kenneth Elliott, Ph.D., Fossil Vertebrates
Daniel Fisher, Ph.D., Fossil Invertebrates
Michael Foote, Ph.D., Fossil Invertebrates
Catherine Forster, Ph.D., Fossil Vertebrates
Gary Galbreath, Ph.D., Fossil Vertebrates
Timothy Gaudin, Ph.D., Fossil Mammals
Terry Grande, Ph.D., Fossil Fishes

Lawrence Grossman, Ph.D., Meteoritics
 Thomas Guensburg, Ph.D., Fossil Invertebrates
 William Hammer, Ph.D., Fossil Reptiles
 James Hopson, Ph.D., Fossil Vertebrates
 David Jablonski, Ph.D., Fossil Invertebrates
 Christine Janis, Ph.D., Fossil Mammals/ other Vertebrates
 David Krause, Ph.D., Fossil Vertebrates
 Michael LaBarbera, Ph.D., Fossil Invertebrates
 Ricardo Levi-Setti, Ph.D., Fossil Invertebrates
 R. Eric Lombard, Ph.D., Fossil Vertebrates
 Ernest Lundelius, Ph.D., Fossil Mammals
 Frank McKinney, Ph.D., Fossil Invertebrates
 J. Michael Parrish, Ph.D., Fossil Reptiles
 Roy E. Plotnick, Ph.D., Fossil Invertebrates
 David Raup, Ph.D., Fossil Invertebrates
 Robert R. Reisz, Ph.D., Fossil Reptiles
 Frank M. Richter, Ph.D., Meteoritics
 Ray Rogers, Ph.D., Sedimentology
 Marcello Ruta, Ph.D., Fossil Reptiles
 Paul Sereno, Ph.D., Fossil Reptiles
 Neil H. Shubin, Ph.D., Fossil Vertebrates
 Neil C. Sturchio, Ph.D., Meteoritics
 Stuart S. Sumida, Ph.D., Fossil Vertebrates
 Alfred Traverse, Ph.D., Fossil Plants/ Paleopalynology
 Leigh Van Valen, Ph.D., Fossil Mammals
 André Wyss, Ph.D., Fossil Mammals

DEPARTMENT OF ZOOLOGY

Adjunct Curators

Jack Fooden, Ph.D., Mammals
 Julian C. Kerbis Peterhans, Ph.D., Mammals
 Harry G. Nelson, S.B., Insects

Research Associates

Michael Alfaro, Ph.D., Molecular Systematics
 Mary Ashley, Ph.D., Conservation Genetics
 Wirt Atmar, Ph.D., Diversity and Community Structure
 Warren Atyeo, Ph.D., Systematics of Acari
 John Cadle, Ph.D., Herpetology
 Angelo Capparella, Ph.D., Evolution of Neotropical Birds
 Jose Maria Cardoso da Silva, Ph.D., Brazilian Birds
 Donald S. Chandler, Ph.D., Systematics of Staphylinidae (Coleoptera)
 Dale Clayton, Ph.D., Host/ Parasite Coevolution
 Barry Chernoff, Ph.D., South American Fishes/ Conservation
 Melissa Cogan-Morales, Ph.D., Bat Morphology
 Timothy Collins, Ph.D., Molecular Evolution of Molluscs
 Joel Cracraft, Ph.D., Avian Systematics and Evolutionary Biology
 Kevin Cummings, Ph.D., Freshwater Bivalves
 Marian Dagosto, Ph.D., Primates
 Amy Driskell, Ph.D., Evolution of Birds and Bioinformatics
 Brian Dyer, Ph.D., South American Fishes

Sharon Emerson, Ph.D., Functional Anatomy of Anura
 John Fitzpatrick, Ph.D., Evolutionary Ecology and Biogeography of Neotropical Birds
 Daniel Gebo, Ph.D., Primates
 Jaqueline Goerck, Ph.D., Conservation in Brazil
 Melina Hale, Ph.D., Biomechanics
 Malcolm Hast, Ph.D., Mammalian Vocal Apparatus
 Rainer Hutterer, Ph.D., Insectivore Mammals
 Avis James, Ph.D., *Drosophila* evolution
 Bruce C. Jayne, Ph.D., Marine and Estuarine Snakes
 W. B. Jefferies, Coevolution and Symbiosis in Crustaceans
 Kevin Johnson, Ph.D., Systematics and Evolution of Birds
 Daryl Karns, Ph.D., Herpetology and Community Ecology
 Marcus Key, Jr., Ph.D., Bryozoans
 Douglas Kelt, Ph.D., South American Mammals
 John Kethley, Ph.D., Systematics of Acari
 David H. Kistner, Ph.D., Systematics of Staphylinidae Associated with Ants and Termites
 Nedra Klein, Ph.D., Molecular Evolution in Birds
 Michael La Barbera, Ph.D., Functional Morphology of Pectinidae
 Peter E. Lowther, Ph.D., Field Museum Nest and Egg Collection
 Yang Chang Man, B.S., Decapods
 Peter Meserve, Ph.D., Population Ecology of Mammals
 Paula Mikkelsen, Ph.D., Marine Mollusks
 John C. Murphy, M.S., Herpetology
 Charles Nadler, M.D., Sciuridae
 Roy A. Norton, Ph.D., Systematics of Acari
 John O'Neill, Ph.D., Neotropical Birds
 Link Olson, Ph.D., Malagasy Mammals
 Perry Ong, Philippine Mammals
 Charles Oxnard, Ph.D., Vertebrate Anatomy
 Victor Pacheco, M.A., Peruvian Mammals
 Stewart B. Pack, Ph.D., Systematics of Coleoptera
 Tila Maria Perez Ortiz, Ph.D., Systematics of Acari
 Philip D. Perkins, Ph.D., Aquatic Coleoptera
 Paulo Petry, Ph.D., South American Fishes
 Ronald Pine, Ph.D., Taxonomy of South American Mammals
 James Pokines, Ph.D., Taphonomy-Archeology of Mammal Bones
 Stephen Pruett-Jones, Ph.D., Behavior and Ecology of Birds
 George B. Rabb, Ph.D., Taxonomy of Salamanders, Phylogeny of Snakes
 Matthew Ravosa, Ph.D., Primates
 Justine Ray, Ph.D., Central African Mammals
 Eric A. Rickart, Ph.D., Mammals in Southeast Asia and North America
 Scott Robinson, Ph.D., Birds
 Luis Ruedas, Ph.D., Southeast Asian Mammals
 Victor Sanchez-Cordero, Ph.D., Mexican Mammals
 Jorge A. Santiago-Blay, Ph.D., Insects
 Thomas S. Schulenberg, Ph.D., Conservation of Neotropical Birds
 Jodi Sedlock, Ph.D., Bat Ecology
 H. Bradley Shaffer, Ph.D., Herpetology
 Jennifer Shopland, Ph.D., Mixed Species Ecology, Neotropical Birds
 Ronald Singer, D.Sc., Mammalian Anatomy
 Sergio Solari, M.S., Mammals of Perú
 Donald Stewart, Ph.D., South American Fishes
 Bill Strausberger, Ph.D., Avian Ecology

Robert Stuebing, M.S., Malaysian Ecology
 Jamie Thomerson, Ph.D., Central and South American Fishes
 Vinton Thompson, Ph.D., Systematics of Cercopidae
 Robert Timm, Ph.D., New World Mammals
 Robert Traub, Ph.D., Siphonaptera
 Joseph Walsh, Ph.D., Mammalian Systematics
 Richard Wassersug, Ph.D., Tadpole Research
 Lee A. Weigt, M.S., Zoology, Systematics
 John Wible, Ph.D., Higher Level Taxonomy of Mammals
 Glen Woolfenden, Ph.D., Florida Scrub Jay Behavior
 Chris Yahnke, Ph.D., Neotropical Mammals
 Anne Yoder, Ph.D., Primate Evolution
 John Yunker, Ph.D., Mammals of Chicago area
 Ermi Zhao, Ph.D., Chinese Herpetofauna, Systematics

Field Associates

Tom Anton, Midwestern Amphibians and Reptiles
 Pam Austin, M.S., African Mammals
 Danny Balete, M.S., Philippine Mammals and Conservation
 Barbara Becker, M.A., Zoology Research
 Somchai Bussarawit, B.S., Biology
 Tanya Chan-ard, M.S., Forest Biology
 Merel J. Cox, M.S., Geology, Snakes of Thailand
 Leif Davenport, Mammals of Burundi
 Susan Davis, M.S., Neotropical Birds
 Carl W. Dick, M.S., Mammal Ectoparasites
 Sherif Baha El Din, M.S., Herpetology of Egypt
 John Douglas, M.S., African Zoology
 Brian Fisher, Ph.D., Ants of Madagascar
 Bruce Hayward, Ph.D., African Mammals
 Kiew Bong Heang, Ph.D., Sea Snakes
 Nina R. Ingle, Ph.D., Philippine Mammals and Conservation
 Djoko T. Iskandar, Ph.D., Genetic and Systematics of Amphibians
 Maklarin Lakim, Research Officer
 Vachira Lheknim, Ph.D., Fish of Thailand
 Kelvin Lim Kok Peng, Amphibians and Reptiles
 Antonio Machado-Allison, Ph.D., South American Fishes
 David Matusik, Lepidoptera Taxonomy
 Gregory Mayer, Ph.D., Organismic and Evolutionary Biology
 Edward Moll, Ph.D., Biology of Freshwater Turtles
 John Murphy, M.S., Herpetology
 Manuel A. Plenge, Birds
 Walter R. Suter, Ph.D., Systematics of Scydmaenidae (Coleoptera)
 Blas Tabaranza, M.S., Philippine Mammals
 Jamie Thomerson, Ph.D., Central and South American Fishes
 Ruth Utzurrum, Ph.D., Philippine Mammals
 Anna Wong, B.S., Zoology
 Bruce A. Young, Ph.D., Snake Morphology

Associates

Peter L. Ames, Ph.D., Syringeal Morphology of Passerine Birds

Matt Bonnan, Ph.D., Vertebrate Paleontology

Barbara Brown, B.A., Primates

Sidney Camras, M.D., Systematics of Conopidae (Diptera)

Arvin C. Diesmos, M.S., Philippines Amphibians

Ingrid Fauci, Collection Management, Translations

Barbara A. Harney, M.S., Mammal Ecology

Tan Fui Lian, South Asian Frogs

N. Aldrin D. Mallari, M.S., Philippines Conservation

Peggy McNamara, Artist

Debra K. Moskovits, Ph.D., Conservation

Zeus Preckwinkle, Bug Camp

Nina Sandlin, B.A., Spiders

John A. Wagner, Ph.D., Systematics of Staphylinidae: Pselaphidae (Coleoptera)

COLLECTION STATISTICS, 2003

Collection Size and Growth

COLLECTION STATISTICS, 2003

Outgoing Loans from Field Museum Collections

COLLECTIONS STATISTICS, 2003

Incoming Loans from Other Institutions or Parties

COLLECTION STATISTICS, 2003

Use of Collections by Visitors

FIELD MUSEUM PRESS - 2003

Fieldiana: Anthropology

No. 34. "Early Intermediate and Middle Horizon Ceramic Styles of the Cuzco Valley." By Brian S. Bauer and Bradford M. Jones. March 31, 2003; 65 pages, 4 maps, illus. Publication No. 1521.

No. 35. "Villages Before Aggregation: The Merrigan Site (LA 11097), a Developmental Period Hamlet, El Rancho, New Mexico." By Winifred Creamer and Jonathan Haas. June 30, 2003; 38 pages, 24 illus., 13 tables. Publication 1523.

No. 36. "Curators, Collections, and Contexts: Anthropology at the Field Museum, 1893-2002." Edited by Stephen E. Nash and Gary M. Feinman. September 30, 2003; illus., tables. Publication No. 1525.

Fieldiana: Botany

No. 43. "El Niño in Perú: Biology and Culture Over 10,000 Years." Edited by Jonathan Haas and Michael O. Dillon. July 31, 2003; 107 pages, illus., tables. Publication No. 1524.

Fieldiana: Geology

No. 48. "Small Archaeohyracids (Typotheria, Notoungulata) from Chubut Province, Argentina, and Central Chile: Implications for Trans-Andean Temporal Correlation." By Marcelo Reguero, Darin A. Croft, John J. Flynn, and André R. Wyss. November 26, 2003; 17 pages, 7 illus., 1 table. Publication No. 1526.

No. 49. "Large Archaeohyracids (Typotheria, Notoungulata) from Central Chile and Patagonia, Including a Revision of *Archaeoptypotherium*." By Darin A. Croft, Mariano Bond, John J. Flynn, Marcelo Reguero, and André R. Wyss. November 26, 2003; 38 pages, 18 illus., 9 tables. Publication No. 1527.

Fieldiana: Zoology

No. 101. "A Remarkable New Mouse (Muridae: Sigmodontinae) from Southeastern Perú: With Comments on the Affinities of *Rhagomys rufescens* (Thomas, 1886)." By Lucia Luna and Bruce D. Patterson. April 30, 2003; 24 pages, 12 illus., 1 table. Publication No. 1522.

PRITZKER LABORATORY FOR MOLECULAR SYSTEMATICS AND EVOLUTION

The Pritzker Laboratory for Molecular Systematics and Evolution was named in recognition of generous support from The Pritzker Foundation. The Pritzker Lab is a Field Museum multi-user core facility whose mission is the collection and analysis of genetic data. The majority of the data collected are DNA sequences. The main sources of specimens used in the laboratory are the frozen tissue collections of The Field Museum's Zoology and Botany Departments, although herbarium and traditional museum skins are also used. DNA sequence data are desirable for many reasons in evolutionary studies. Chief among these is the fact that DNA sequences are composed of only four nucleotide bases, resulting in data that are, in some analytical respects, very simple. Another extremely useful property of DNA sequence data are their high level of comparability across species and across studies. Together, these properties mean that DNA sequence data can be used to investigate diverse questions at all levels in the biological hierarchy: questions about individuals, populations, species, and even phyla and kingdoms.

The primary activity of lab users is the collection and analysis of genetic data for inferring the evolutionary, or phylogenetic, relationships among species. This knowledge of phylogenetic relationships is fundamental to understanding organismal evolution and the origins of biological diversity. Patterns of phylogenetic relationships among species can be used to trace evolutionary changes and provide insights to the biological and geological histories of geographic regions. Another focus of lab research involves characterizing the amount of genetic variation within and among populations. These data can be used to help guide conservation efforts, and to study the processes driving evolution, such as natural selection. In October of 2003, the lab management committee, with the help of several lab users, submitted a grant for an ABI 3730 DNA analyzer. The grant was submitted to the National Science Foundation's Division of Biological Infrastructure.

The majority of lab users are Field Museum curators, their graduate students from the University of Chicago and the University of Illinois at Chicago, and their post-doctoral researchers. The diversity of the Pritzker Lab's researchers and their studies is astounding. In 2003, DNA sequence data were obtained and analyzed from hundreds of species from almost every imaginable habitat – temperate and tropical rainforests and dry forests, grasslands, streams, ponds, estuaries, and coral reefs – and from every continent, as well as numerous islands. Researchers gathered DNA data on a huge variety of organisms including sharks, mushrooms, coral reef fish, lichenized fungi, bivalves, birds, ginseng, snakes, millipedes, moths, bats, and frogs. The many areas of inquiry pursued by these researchers include the origins of symbiosis, the evolution of life history traits, rates of evolutionary change, biogeography, conservation, sexual selection, speciation, and natural selection at the molecular level. More than 35 new and continuing projects used the DNA sequencing facilities in 2003.

As it does every year, the lab had many international visitors in 2003. Jun Wen had collaborators visit from China, Japan, Indonesia, and New Zealand to collect molecular data. Harold Voris and graduate student Bryan Stuart assisted Thai collaborator Sansareeya Wangkulangkul with her molecular work. Other visitors came from the Democratic Republic of the Congo, Germany, Spain, and South Africa.

In 2003, the lab welcomed new Botany curator Dr. Thorsten Lumbsch to the Lab. His research focuses on the systematics and phylogeny of Ascomycota, especially lichen-forming fungi and their diversity, secondary chemistry and chemotaxonomy. Dr. Lumbsch's research group includes Dr. Imke Schmitt, graduate student Nora Wirtz, and lab technician Iyabo Osawe.

The Pritzker Lab is a non-departmental unit of Academic Affairs supervised by a Management Committee. It is available for use by the curators and staff members of the Museum, their collaborators and students. All users of the lab are responsible for designing, performing and financing their own lab work. We welcome additional collaborations with new institutions and researchers. For more information on specific research projects, please see the web pages of the Pritzker Lab:

<www.fmnh.org/research_collections/Pritzker_lab/Pritzker/index.html>; or the individual pages of committee members: John Bates (Zoology); Paul Goldstein (Zoology); Shannon Hackett (Zoology); Jun Wen (Botany); and Kevin Feldheim (Pritzker Lab).

SCANNING ELECTRON MICROSCOPE

The Scanning Electron Microscope (SEM) is an invaluable resource for both original research observations and documentation of results. It allows researchers to examine fine surface details of three-dimensional objects at magnifications ranging from very low magnifications (10 times life-size) to high magnifications (above 20,000 times life-size). Images obtained from the scanning electron microscope achieve higher resolution and higher magnifications than those observed through light microscopy. These images also provide 300 times more depth-of-field than with light microscopy.

The SEM Laboratory is a multi-user research facility for the Departments of Anthropology, Botany, Geology, and Zoology. The laboratory is managed by Betty Strack. Her duties include training staff and students to operate the SEM and the ancillary equipment and keeping the instruments in good operating condition. The SEM Lab is available for use by the Museum's curators and staff and their collaborators and students. Nineteen curators, professional staff, graduate students, research associates, and visiting/ collaborating scientists operated the SEM in 2003. They include: Rüdiger Bieler, Michael Fortwengler, Anjali Goswami, Gerald Grellet-Tinner, Larry Heaney, Isabella Kappner, Yusheng Liu, Peter Makovicky, Jenny McElwain, Russ Minton, Al Newton, Link Olson, Bruce Patterson, Surangi Punyasena, Melissah Rowe, Alexey Solodovnikov, Petra Sierwald, Bill Turnbull, and Paul Velazco.

Recent research using the SEM:

- Dinosaur eggshell structure
- Fossil flower morphology including pollen
- Cuticle morphology of fossil plants
- Fossil mammal teeth
- Dental microwear of fossil mammal teeth
- Climbing mouse footpads
- Extant mammal teeth and skulls: rodents and bats
- Gastropod larval shells
- Bivalve morphology
- Snail radulae
- Millipede morphology

Multi-user equipment in the SEM Lab includes an Amray 1810 Scanning Electron Microscope and specimen preparation instruments (a Balzers 030 Critical Point Dryer for drying soft tissue and a Denton Vacuum Desk II Sputter Coater for coating non-conductive specimens with a thin layer of gold). The SEM has been recently upgraded with a PC that has a digital imaging capturing system.

A new extended pressure scanning electron microscope will be installed in the SEM Lab in Spring 2004—the LEO EVO 60 XVP, with an elemental detector, Oxford INCA 350 EDS. The EDS detector will provide elemental composition of objects and specimens. Key features of the new SEM are the largest chamber available to hold larger specimens and objects, elemental analysis of objects, capability to examine fresh and wet specimens in addition to dry ones, and high resolution digital imaging. The SEM committee, comprised of representatives from the academic departments, was responsible for making the recommendation of the new SEM through extensive review of user needs and review of all available SEM models. The committee met with SEM sales representatives, attended demonstrations, and made site visits to world headquarters of the two finalist companies. Members on the SEM Committee are: Betty Strack (SEM), Ryan Williams (Anthropology), Al Newton (Zoology), Scott Lidgard (Geology), Greg Mueller (Botany), JPBrown (Anthropology-Conservation), and Phil Janney (Geology).

SCHOLARSHIP COMMITTEE

The Field Museum encourages and supports the use of its collections and facilities by outside scholars and students. The Scholarship Committee is responsible for the review of applications and the disbursement of funds for visiting scientists, graduate fellows and undergraduate interns who wish to work with the museum's collections or collaborate with its scientists. The Scholarship Committee administers eight separate funds. These are the Borg-Warner Robert O. Bass Visiting Scientist Fund, the Karl P. Schmidt Fund, the Thomas J Dee Fellowship Fund, the Visiting Scholar Fund, the William A. and Stella Rowley Graduate Fellowship Fund, the Lester Armour Graduate Fellowship Fund, the Women's Board's "Women in Science" Graduate Fellowship Fund, and the Undergraduate Internship Fund.

The Visiting Scholar Fund, new this year, was established with a donation of \$5,000 from Mr. and Mrs. Michael W. Ferro of Winnetka.

A new graduate fellowship endowment was established this year by a donation from the Brown family. The fund will be up to strength and able to make its first award in the fall of 2005.

During 2003 the Scholarship Committee awarded 29 scholarships, three fellowships and five internships. Twelve scholarships were given to exceptional graduate or undergraduate students who have demonstrated a strong commitment to the study of natural history. Scientists came not only from the United States, but also from around the world: Australia, Brasil, Colombia, Denmark, Ecuador, England, France, India, Indonesia, Israel, Mexico, Poland, Portugal, Russia, and Vietnam.

The Scholarship Committee Chair is Lance Grande. Elaine Zeiger serves as Committee Secretary.

Scholarships and Internships Awarded in 2003

Lester Armour Family Graduate Fellowship (for outstanding graduate students to pursue advanced studies in one of the scientific departments at the museum): Paul Brinkman, Isabella Kappner.

Women's Board "Women In Science" Fellowship (for exceptional women Ph.D. candidates in the natural sciences): Trina Roberts.

Borg-Warner Robert O. Bass Visiting Scientists (for the support of visiting scientists): Paul Buccheim, Thomas Defler, Vishwas Gogte, Alan J. Kohn, John Maisey, P. K. Mukhopadhyay, Nicolai Orlov, Arun K. Pandey, Jens Rasmussen, Stanislaw Slipinski, Robert Steubing, Elizabeth Widjaja.

Thomas J Dee Fellows (for research and academic fellowships with priority given to younger, less established research workers and to graduate students): Michele Toomay Douglas, Patrick-Jean Guay, Annat Haber, Gabriel Marroig, Hieu Quang Nguyen, Rogerio Rossi, Gonen Sharon, Rosana Souza Lima, Kathryn Thomas, Wioletta Tomaszewska, Omar Torres-Carvahal.

Karl P. Schmidt Scholars (for the training of young scientists who desire to study at The Field Museum): Maria Herrera-Campos, Jessica Koederitz, Paola Martinez.

Visiting Scholar Fund Scholars: Sara Mayer Branco, Philippe Gaubert, Kerin Claeson.

Internships (work experience whereby an undergraduate or recent graduate gains hands-on training in his/ her field of expertise for one or more semesters): Denise Chiu, Chris Grinter, Amy Jess, Bethany Kesselring, Kurt Piskin.